

20000912.qrp v01_n942.qrl.20000912

Date: Tue, 12 Sep 2000 19:03:13 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1942

QRP-L Digest 1942

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by "Marshall Emm" <mgemm@mtechnologies.com>
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- 5) [79271] Re: Emily Oaks Operation
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- 11) [79277] AA1MY:ON 40 W/KITE-VERT MON. NITE
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- 12) [79278] Re: ISOTRON antenna
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- 13) [79279] Re: AA1MY ON 40
by N10DL@aol.com
- 14) [79280] Re: FOX: Winter Hunt Announcement
by John Wagner <john@neknetwork.com>
- 15) [79281] re: FOX winter fox hunt
by N10DL@aol.com
- 16) [79282] AA1MY: IT WAS A DARK AND STORMY NIGHT...
by S LYON <sslyon@worldnet.att.net>
- 17) [79283] RE: Coax-fed Vertical -- Multiband Op? No!
by Adrian Weiss <aweiss@usd.edu>
- 18) [79284] QRP Afield - Question
by Bob Hightower <nk7m@extremezone.com>
- 19) [79285] Re: Coax-fed Vertical -- Multiband Op? No!

- by Marty <N5NW@midsouth.rr.com>
- 20) [79286] FS: Ten Tec 2.4 Khz and 500 Hz Crystal filters
by Dave Redfearn <n4elm@home.com>
- 21) [79287] FS: Calibrator for Argosy I (Analog)
by Dave Redfearn <n4elm@home.com>
- 22) [79288] Status of QRPp
by "Doug Hendricks" <ki6ds@dospalos.org>
- 23) [79289] Re: Coax-fed Vertical -- Multiband Op? No!
by Dan <tacquire@earthlink.net>
- 24) [79290] ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
by Brian Kassel <bkassel@dancris.com>
- 25) [79291] More questions on multi-band vertical
by "M0CQG" <m0cqq@dial.pipex.com>
- 26) [79292] Trade UNBUILT Heathkit Power Supply kit for LDG AT-11
by k6mw <k6mw@jps.net>
- 27) [79293] [CLUB] NE-QRP CW Net
by Joel Malman <malman@world.std.com>
- 28) [79294] Re: R-7000 Vertical or Dipole
by Gordon Cougar <gcouger@couger.com>
- 29) [79295] Re: R-7000 Vertical or Dipole
by Gordon Cougar <gcouger@couger.com>
- 30) [79296] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
by "Leon Heller" <leon_heller@hotmail.com>
- 31) [79297] Re: Any experience with the isotron antennas
by "Leon Heller" <leon_heller@hotmail.com>
- 32) [79298] RE: A good QRP week...
by Vic Winton <Vic.Winton@trafford-press.com>
- 33) [79299] RE: Charging Gell Cells
by Vic Winton <Vic.Winton@trafford-press.com>
- 34) [79300] re:coax fed vertical
by neil tanner <ntan@crosslink.net>
- 35) [79301] calling CQ
by neil tanner <ntan@crosslink.net>
- 36) [79302] Re: coax fed vertical
by Bruce Muscolino <w6toy@erols.com>
- 37) [79303] Re: More questions on multi-band vertical
by "Pastor-KC1DI" <elbc@pivot.net>
- 38) [79304] Re: Improvement - Ugly HB indoor Vertical
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 39) [79305] FT: HTX10 for 220MHZ gear
by Ronald_A_Pfeiffer@res.raytheon.com
- 40) [79306] End Fire Antennas
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 41) [79307] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
by "Craig A. Ferris" <cferris@aeronix.com>
- 42) [79308] Re: "To sweat or not to....."
by Bill Coleman AA4LR <aa4lr@radio.org>
- 43) [79309] N2CQ on AT in WV

by "Ron Polityka" <wb3aal@fast.net>
44) [79310] Re: [Elecrafft] K1 Small Delay for Enhancements
by Phil Wheeler <w7ox@earthlink.net>
45) [79311] British Joystick Antenna ?
by WB9MII@aol.com
46) [79312] FS OHR 400
by W5HNSQRP@aol.com
47) [79313] RE: Repair of Old CC Headset cords.
by "AI2Q Alex" <ai2q@ispchannel.com>
48) [79314] Re: N2CQ on AT in WV
by John AE5X <ae5x@juno.com>
49) [79315] Re: R-7000 Vertical or Dipole
by Bill Coleman AA4LR <aa4lr@radio.org>
50) [79316] FS: Audio Filter & Heathkit ATU
by Larry East <w1hue@amsat.org>
51) [79317] Re: Any experience with the isotron antennas
by Bill Lazure <n2tpa@juno.com>
52) [79318] Re: [OT] email service provider info needed
by Bill Lazure <n2tpa@juno.com>
53) [79319] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
by Bruce Muscolino <w6toy@erols.com>
54) [79320] RE: [OT] email service provider info needed
by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
55) [79321] Re: QRP - best starter kit?
by Curt Milton <wb8yyy@yahoo.com>
56) [79322] RE: British Joystick Antenna ?
by Vic Winton <Vic.Winton@trafford-press.com>
57) [79323] British "Joystick" antenna
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
58) [79324] WTB: HW-8 Manual
by "Jim Johnson" <km7h@kvi.fanz.net>
59) [79325] PSK31 contesting Pro/Con
by Jim Hale <kj5tf@yahoo.com>
60) [79326] Re: PSK31 contesting Pro/Con
by Bill Jones <kd7s@psnw.com>
61) [79327] Re: coax fed vertical
by "George, W5YR" <w5yr@att.net>
62) [79328] Re: End Fire Antennas
by Steve Yates <aa5tb@yahoo.com>
63) [79329] RE: QRP Best Starter Kit??
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
64) [79330] Spare change..
by "Steven Weber" <kd1jv@moose.ncia.net>
65) [79331] Need specs on some dipped mica caps
by lenny wintfeld <w2bvh@home.com>
66) [79332] MI QRP NET
by ekwik@rtimail.com
67) [79333] PSK31 and 80m ... progress on new projects!

by "George Heron N2APB" <n2apb@erols.com>
68) [79334] Before winter gets here...
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
69) [79335] Re: PSK31 and 80m ...new projects!
by "Dave Benson" <nn1g@earthlink.net>
70) [79336] RE: QRP Best Starter Kit??
by Andreas Junge <andreas@OpenGrid.Com>
71) [79337] Re: QRP Best Starter Kit??
by "Brian" <brian@iquest.net>
72) [79338] Stuff FS
by "Dittmar, Mark" <Mark_Dittmar@Maxtor.com>
73) [79339] SST problem: audio squawking
by Allan Taylor <k7gt@qsl.net>
74) [79340] Re: QRP Best Starter Kit??
by Michael Bower <bowerm@ix.netcom.com>
75) [79341] QRP at the ARRL Company Picnic
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
76) [79342] Re: WTB: HW-8 Manual
by "Jim Johnson" <km7h@kvi.fanz.net>
77) [79343] Re: QRP Best Starter Kit??
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
78) [79344] RE: QRP Best Starter Kit??
by John Meade <john.meade@smc.com>
79) [79345] Re: QRP Best Starter Kit??
by Dan <tacquire@earthlink.net>
80) [79346] Re: British Joystick Antenna ?
by semann@tcia.net (Steven Mann)
81) [79347] FOX - Winter Hunt Teams + QRP-L#s
by Bruce Rattray <rattray@gpfn.sk.ca>
82) [79348] Re: British Joystick Antenna ?
by "M0CQG" <m0cQG@dial.pipex.com>
83) [79349] Building the NC-20
by "Ed Nelson" <edxnelson@home.com>
84) [79350] Attention Madison and Milwaukee WI area QRPers de AL7FS
by "Jim Larsen" <al7fs@hotmail.com>
85) [79351] Re: British Joystick Antenna ?
by wa4dou@excite.com
86) [79352] Re: QRP at the ARRL Company Picnic
by Bob Hightower <nk7m@extremezone.com>
87) [79353] Re: WTB: HW-8 Manual
by Rick McNelly <rmcnelly@home.com>

Date: Mon, 11 Sep 2000 17:24:53 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Cc: wa5whn@hotmail.com, nn1g@earthlink.net

Subject: [79267] QRP AFIELD 2000
Message-ID: <20000911.172456.-567987.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

In honor of the NJQRP Club, when we {a number of us} are perched on a 9,691 ft. asl peak in SW NM {Mangas, Mtn}. I will play my CD {"The War of the Worlds"} during the contest .

http://www.njqrp.org/meetings/van_nest_park/van_nest.html

WA5WHN calling 2X2L... ; -)

...Jay

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<http://dl.www.juno.com/get/tagh>.

Date: Sun, 10 Sep 2000 20:44:04 -0500
From: Brian <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [79268] SMK - does it again!
Message-ID: <39BC38E4.1EE318C1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tonight I was fooling around with my SMK and an old gel cell that I thought was dead...it developed a monstrous 200 mW of output and I managed to get a 339 from WD5CNC in Arkansas....on 7039 with QRN out the wazoo.

400 Miles away, comes in at 2000 miles per watt. Heheheheh. I love this stuff.

--

```
=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
    39.558 N   86.095 W   Johnson Co., Indiana
    GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
    Proud to be a member of the American Radio Relay League
    FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====
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Date: Mon, 11 Sep 2000 18:23:41 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [79269] FOX: Winter Hunt Announcement
Message-ID: <39BD232D.28060.1B28A04@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
```

Yes, it's on. The QRP-L 40M Foxhunt will take place on Tuesdays and Thursdays for 20 weeks beginning October 24th.

The 40M hunt is being organized by the pretty much the same committee that ran the summer hunt.

Complete rules, schedule, and such will be available soon. Prospective foxes will be invited to apply soon, too.

We'd like to thank the previous Huntmeisters, Chuck Adams K7QO and Paul Valko W8KC, who have left some mighty big shoes for us to fill. It is a LOT of work, even when divided among four or five guys, and we have wondered more than once how they managed it! We'd also like to thank Chuck, the First Fox, for joining the committee.

So, for all of those who have been wondering what's going on, now you know. Dust off your fox hunting gear, send your cammo fatigues out to the dry cleaners and polish up your antennas! October 24th is D-Day.

The QRP-L Foxhunt Committee
N1TP, K0EVZ, K1MG, N1FN, K7QO

Date: Mon, 11 Sep 2000 20:25:23 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [79270] Lectrokit SP-1 Info needed
Message-ID: <019701c01c4f\$f11ede20\$21765acf@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I picked up a Lectrokit Spider SP-1 at a recent hamfest and wold like to get a copy of the manual for it. Anyone have a copy to sell, make a copy of, etc....?

thanks
Tim
NZ8J

Date: Mon, 11 Sep 2000 20:32:14 EDT
From: SKIPNC90@aol.com
To: aa8vs@yahoo.com, BrunoWalczak@gateway.net, Russ514@aol.com, RMoote@aol.com, POMEROYNVL@aol.com, kb8zoy@compuserve.com, difiles@mediaone.net, kb8rf@mediaone.net, K3ETH@aol.com, W8QGE@mediaone.net, barker@cac.net, drczj@mediaone.net
Cc: fpqrp@egroups.com, qrp-1@lehigh.edu, elecrafft@qth.net
Subject: [79271] Re: Emily Oaks Operation
Message-ID: <64.66d0317.26eed38e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Omitted one thing, Emily Oaks is in Skokie Illinois just north of Chicago.
Hope to hear you on.

73, Skip Davis NC90

Date: Mon, 11 Sep 2000 20:36:02 -0400
From: "Ken Simpson" <W8EK@fdt.net>

To: "QRP List" <qrp-l@lehigh.edu>
Subject: [79272] CW "goodies" FS
Message-ID: <03dc01c01c51\$6f037480\$9089fea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Brass colored straight key.
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shorting switch. Great shape. \$ 20

Heath HD-1416 code practice oscillator
complete with key, oscillator unit, original
manual, and also the original box. It even
has the 1976 parts price list included! The
original manual is not marked. \$35

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

Date: Mon, 11 Sep 2000 17:53:34 -0700
From: Dan <tacquire@earthlink.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79273] Ten Tec 20 Meter Advice
Message-ID: <39BD7E8E.479DDE98@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Hello all, I'm new to the list here so bear with me :) I recently became

> "interested" in ham radio again after being away for several years. I
> purchased the ten-tec 20 meter transceiver after reading different opinions
> etc that indicated it was a pretty good one. I haven't gotten it yet in the
> mail but I am wondering if anyone here has built any of the tentec qrp rigs
> and if they have any hints and/or suggestions on the construction. As I
> understand it there is no advanced testing gear required. I intend on using
> my yaesu ft840 rig to aid in frequency adjustment and I do have a dvm.

Sincerely,
Dan

Date: Mon, 11 Sep 2000 21:14:50 -0400
From: neil tanner <ntan@crosslink.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [79274] pix of my 20m xcvr
Message-ID: <39BD838A.B65E476D@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings all-
Here is a link to pictures of the "spur" project....again thanks for all
the tips.
72---Neil wa4chq
<http://www.qsl.net/wa4chq/20downsize.html>

Date: Mon, 11 Sep 2000 21:20:27 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [79275] Repair of Old CC Headset cords.
Message-ID: <Pine.BSF.4.21.0009112043340.26517-1000000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I can't find the original Question or Topic now, but here is my answer:^^)

Someone asked about repairing the Cotton Covered Headset Cords, such as
used on Old Western Electric and Trimm Headsets.

The pair that I have were made in the Year that I was born. They were
given to me by a Telephone Man down the street to use with my Crystal
Radio and Later Ocean Hopper. I don't know what happened to the Ocean

Hopper, but the Headset is still with me.

The cords are made of cotton covering and the "Wire" if you can call it that, is like Bronze Thread. There are only a few strands woven with a cotton core string. It is almost impossible to solder it.

Here is how I have repaired mine over the years.

First you determine the break point. In My case it was always where the cord entered the Receiver unit. It has two Tinned Brass Crimp type connectors on the end of the cord.

First, take a piece of 18 gauge Stranded wire, Preferably the silver or tinned type. Cut it to about 2" long and separate the strands.

Temporarily put a piece of masking tape around the cord about an inch or two from the end. This is to prevent the cord from fraying.

Oops, I almost forgot cut a piece of heat shrink tubing 1/8" Dia. about an inch or 1 1/2" long and slip it down on the cord. It will be used in the end to cover the cord at the end to prevent fraying. Tape will not do, It just comes un-stuck with age.

O.K., Now insert three or four strands of the wire into the core so that it makes contact with the "Bronze Tinsel" Some times I cut off some of the excess cotton thread. NOT THE Bronze Tinsel. Then I take a long single "Strand" and insert it also in the center, then proceed to "Wire Wrap" the Strand around the bundle. Three Hands would be nice. :^)

Make the Wire Wrap nice and tight. Then Apply a bit of Flux, Liquid , or just dip it in the Flux tin. O.K. I will probably hear about "Don't Use Acid Flux!" Heck, I never checked what kind it was, I just used it.

Then using some of the nice skinny low temp solder. solder the bundle.

Then just cut off the Joint to about 1/2" long and insert it into the headset and tighten the screw. Slide the heat shrink into position and apply the hair dryer, Flame thrower, or whatever you use on the heat shrink.

I have also used a slightly different method with good success.

Very similar procedure, except Not Using the Long single strand as the outer wrapper.

#30 Gauge BUS Wire is good for the "Wire Strands" as it is pre tinned.

three to five strands are inserted into the center of the Tinsel Wire as

before, but then you thread the bundle thru a piece of 1/8" Brass Tubing (Check your local Hobby Shop) I use a piece about one inch long. After threading the bundle thru the brass tubing, Dip the end in the flux and solder. Just like pipe, the flux will make the tubing suck the solder right in side. It will fill all the area inside and make a pretty decent connection with the Tinsel. You did remember to put the heat shrink on the cord first and slide it down away from the working area. Else you will find it shrunk before it's time. :^)

When done, I use the Moto Tool with a cutoff wheel to make the new tip the proper length.

This latter method has worked best for me.

Some of my workmates have asked over the years how I manage to keep using the same cords on my test sets. :^) Now you know.(g)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

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George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Mon, 11 Sep 2000 21:24:19 -0500

From: Randy & Cara Randall <crrandal@seidata.com>

To: levent@netlabs.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [79276] Re: Any experience with the isotron antennas

Message-ID: <39BD93D3.10E5EBA@seidata.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

There are a couple reviews on Eham.com. The reviews were for the most part good.

Randy KB8AS0

Levent Sasmazel wrote:

> Hi Gang,
>
> I was looking limited space antennas and find this antenna in the QST.
> Any experience pros and cons about the product? I am also interested
> with the transportability aspects of this antenna.
>
> Thanks and 73s
>
> Levent Sasmazel KC2CNY

--

"...Life is not tried, it's just merely survived if you're standing
outside the fire..." Garth Brooks

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Date: Mon, 11 Sep 2000 21:25:23 -0400
From: S LYON <sslyon@worldnet.att.net>
To: chat qrp <qrp-l@Lehigh.EDU>
Subject: [79277] AA1MY:ON 40 W/KITE-VERT MON. NITE
Message-ID: <39BD8603.CA07B709@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yep... trying a late-nite adventure -if the wind holds up. Got a new
arrangement of EDZ VERT. and anchoring and will be testing it on 40m
tonite (Mon) 'til around midnite NEW YORK TIME. Have a listen if you
have a moment.

72

=S=

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Mon, 11 Sep 2000 21:31:03 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [79278] Re: ISOTRON antenna
Message-ID: <6d.92c552e.26eee157@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

RUN...do not walk to your mailbox and order this antenna. I have the 20 meter version and am very happy with it. When I opened the box when I got it in the mail, I thought I made a mistake. Soon after I had it mounted on a 8' section of PVC leaning against the wall in my den connected to my Wilderness SST-20 running 2 watts.

I decided to try the DXCC contest last February as a joke. Expected a few stateside contacts and that was all. Well....this is what happened..... SK3W, EA5DLC, VV7X, NP3G, PY7IQ to name a few. These were all in the DXCC contest. I have made many more contacts with the antenna. Since then I have cut the PVC into several section and connect them together with PVC joint connectors. This way I can put the PVC in my suitcase. I took off the nuts connecting the U-bolt and the top hat and replaced them with wingnuts for easy removal.

I have even been able to make contacts on 40 meters by attaching a counterpoise wire to the ground nut. I found that moving the counterpoise rod either closer or further away, I can get low SWR. I do use the ZM-2 tuner at all times with this antenna. I also got quite a few FOX using this antenna. So...the answer to your question is YES, I would reccomend this antenna. I have not yet used one for the 40 meter band as I bought this one for traveling. It also fits nicely in my small suitcase. It was recommended to me by the manufacture that it would work better if mounted on a metal mast.

Good Luck
Aron Brown
N10DL/qrp
Bedford, NH

Date: Mon, 11 Sep 2000 21:35:08 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [79279] Re: AA1MY ON 40
Message-ID: <a7.73f3f39.26eee24c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

so...where on 40 is he?
aron

N10DL

Date: Mon, 11 Sep 2000 21:44:19 -0400
From: John Wagner <john@neknetwork.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79280] Re: FOX: Winter Hunt Announcement
Message-ID: <39BD8A73.163B9138@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ah, 'tis a fine day now that the Winter hunt has been announced.

The New England Hunt Club cordially invites any and all Foxii and Hounds
to visit our web page and follow our progress at:
<http://www.neknetwork.com/nehc/>

See you in the fields!

Go NEHC!!!

73,

John, KB1ENS
Holland, VT

Marshall Emm wrote:

>

> Yes, it's on. The QRP-L 40M Foxhunt will take place on Tuesdays and Thursdays
> for 20 weeks beginning October 24th.

>

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Mon, 11 Sep 2000 21:51:30 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [79281] re: FOX winter fox hunt
Message-ID: <a7.73f3f3e.26eee622@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

John wrote:

Ah, 'tis a fine day now that the Winter hunt has been announced.

The New England Hunt Club cordially invites any and all Foxii and Hounds to visit our web page and follow our progress at:
<http://www.neknetwork.com/nehc/>

What a guy....he's our leader.
Looking forward to the HUNT...
Aron
N10DL

Date: Mon, 11 Sep 2000 21:51:08 -0400
From: S LYON <sslyon@worldnet.att.net>
To: chat qrp <qrp-1@Lehigh.EDU>
Subject: [79282] AA1MY: IT WAS A DARK AND STORMY NIGHT...
Message-ID: <39BD8C0B.14CF9916@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

-and squirrely winds pulled two of four 80 lb. snap swivels apart in the suspension system. I may get something cobbled together, but don't wait up for me!
72
=S=
--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Mon, 11 Sep 2000 21:02:18 -0700
From: Adrian Weiss <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [79283] RE: Coax-fed Vertical -- Multiband Op? No!
Message-ID: <39BDAACA.454F@usd.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi gang:

I mentioned in a previous post that a 1/4-wave vertical cannot be operated on other than its resonant band if fed directly with coax regardless of whether a tuner is inserted between the feedline and xmtr. The SWR on the feedline is established by the degree of mismatch between the coax characteristic impedance and the vertical's feedpoint impedance. This point does not seem to be fully appreciated on the QRP-L at times. Now, if the tuner is placed between the coax and the vertical, and is able to resolve the mismatch, the main source of loss -- SWR loss -- can be eliminated. But, here's what happens if the coax is connected directly to the vertical.

A nearly resonant 40m vertical with 16 1/4-radials was modelled on EZNEC and provided the following base impedances. ZIZL was used to calculate feedline SWR loss and the amount of power which will actually reach the vertical to be radiated, given 5 watts into the feedline. The feedline used for the calcs = 50-ft of lowloss RG8X.

Freq.	Base Impedance	SWR	SWR Loss	Power Left
7.0	32-j17	1.8		watts
10.1	115+j435	35	3.6dB	1.97
14.0	2816+j133	54	5.9dB	1.1
18.06	112-j472	39	5.3dB	1.3
21.0	67.2-j64	3.0	0.4dB	3.95
24.8	136+j362	21	3.6dB	1.9
28.0	1271+j1078	42	6.1dB	1.0

Note that the harmonic relationship on 21MHz (3-quarterwaves) for this 40m vertical produces an acceptable match, as indeed has been long used for operating a coax-fed 40m dipole on 15m. On the other bands, the SWR power loss is exorbitant.

Of course, the individual operator can choose whether to absorb the power loss involved in this situation.

But if you don't know anything about antennas, check through some antenna handbooks and see if you ever run across an article describing the proposed off-band operation of a vertical. The reason why you won't find such an article should be apparent.

In the final analysis, everyone ought to get a personal antenna handbook.

If that doesn't provide your answer, then pop the question on the list.

Incidentally and off-topic, when people do "RE: Stupid Question" postings,
how about putting the question as the "RE: What is the..."? You'll get quite a few more readers! Maybe even me!

72, Ade

Date: Mon, 11 Sep 2000 19:21:04 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [79284] QRP Afield - Question
Message-ID: <200009120214.TAA03914@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does the 8 hour limit apply to the 'bonus' operation on Sunday? What I mean is, can we operate 8 hours from 1800Z the 16th, and still operate during the bonus period if we are in the field?

Also, with the other contests going on, are contacts with any other station counted? If they aren't in the QRPA contest, might make log checking a bit hairy, but the exchange is so simple, it might be that some of them get mixed in with QRPA logs.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Mon, 11 Sep 2000 21:58:18 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-1@lehigh.edu
Subject: [79285] Re: Coax-fed Vertical -- Multiband Op? No!
Message-ID: <9e5rrs0tgkv9ogojqgp55fc1nacjfslpvv@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Mon, 11 Sep 2000 21:02:18 -0700, Adrian Weiss <aweiss@usd.edu> wrote:

>I mentioned in a previous post that a 1/4-wave vertical cannot be

>operated on other than its resonant band if fed directly with coax
>regardless of whether a tuner is inserted between the feedline and xmtr.
>The SWR on the feedline is established by the degree of mismatch between
>the coax characteristic impedance and the vertical's feedpoint
>impedance. This point does not seem to be fully appreciated on the QRP-L
>at times. Now, if the tuner is placed between the coax and the vertical,
>and is able to resolve the mismatch, the main source of loss -- SWR loss
>-- can be eliminated. But, here's what happens if the coax is connected
>directly to the vertical.

One slight modification -- it can be operated, but it will not be =
terribly
efficient, nor effective. After all, two watts into the vertical beats 5=
into
the dummy load every day! The pattern would be screwy, I'd think. =
Plus, I'd
suspect another factor would be an increase in radiation (and less loss) =
as
the velocity factor of the feedline approached 1.

Don't you get results similar to that modeled vertical from a coax-fed =
dipole
as well? I could have sworn the impedance of a dipole 1/4 wave or =
greater
above ground is 72 ohms. This creates a similar mismatch. Yet, we use =
it all
the time. It is why 1:1 or choke baluns are typically installed. If you=
get
a NEARLY resonant vertical, and put a choke balun on it, you should (in
theory) get similar results to a dipole used on different bands (which of
course is demonstrated in your data -- 21 MHz is ok on a vertical cut for=
40m,
just like on a dipole).

Difference is (to me) the feedline radiation on the vertical is going to =
be in
the form of ground loss, as typical vertical feedline runs along the =
ground.
The dipole is more efficient, because the feedline radiates part of the
signal. Some is still lost as heat, of course, but no antenna is 100%
efficient.

Interestingly, when you off-center feed the dipole (in a windom =
configuration)
the impedance is 300 ohms at every EVEN (rather than ODD) harmonic. So a
dipole cut for 80m, fed off-center by 1/3 or so, should be 300 ohms at =
40m,
20m, and 10m. By utilizing a 4:1 or ideally a 6:1 balun, you can feed =

direct,
with little mismatch, on four bands without a tuner at all. Plus, you =
get the
benefit of a resonant pattern (uniform) as opposed to a mismatched dipole
pattern (lobes increase with frequency).

Ideally, of course, any antenna system is designed with the =
characteristic
impedance of the antenna at resonance in mind, and uses a feedline of =
that
characteristic impedance. Then the tuner becomes effective in =
transforming a
50 ohm output to the characteristic impedance of the system. Such is the=
way
to minimize losses. The more times through the amateur spectrum you can =
hit
that characteristic impedance, the more useful the antenna will be on
different bands.

--

Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Mon, 11 Sep 2000 22:01:29 -0500
From: Dave Redfearn <n4elm@home.com>
To: Ten-Tec Mail List <tentec@contesting.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [79286] FS: Ten Tec 2.4 Khz and 500 Hz Crystal filters
Message-ID: <39BD9C89.197705F7@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Ten Tec 9 Mhz Crystal filters

#217 500 Hz 8 pole CW filter - \$60.00 + shipping

#220 2.4 Khz 8 pole SSB filter - \$60.00 + shipping

Both used, in good , working condition.

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 11 Sep 2000 22:04:23 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Ten-Tec Mail List
<tentec@contesting.com>
Subject: [79287] FS: Calibrator for Argosy I (Analog)
Message-ID: <39BD9D37.356A951E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

#80809 Calibrator board for Ten-Tec Analog Argosy.

Used, in good, working condition.

\$30.00 + shipping.

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 11 Sep 2000 20:28:45 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: <qrp-l@lehigh.edu>
Cc: <WA6GER@aol.com>
Subject: [79288] Status of QRPp
Message-ID: <000b01c01c6a\$14799f80\$23bdc03f@DougHendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, it has been a long time since you saw a copy of QRPP in your mailbox. That is about to change. The Spring issue was mailed at the end of last week and should start arriving tomorrow. We are very late with the issue and have made some adjustments and changes in order to get back on track.

We have decided to move the printing to a local printer, in order to avoid the delays that we have experienced in the past. I took the proof sheets to the new printer today, and he promised to have the Summer issue done by Sept. 20th for me to pick up and process for mailing. I imagine that it will take 3 or 4 days to process but the goal is to have it in the mail by Sept. 26th, which is two weeks from today. We will use the same mailing lists that we used for the Spring issue, in otherwords, no one will be dumped from the list because their subscription expired with the Spring issue and they did not have time to renew. We will mark the Summer labels, and ask that you pay close attention to them and get your renewal in as soon as you can. The Fall issue will go to the printer on Oct. 1st, and will be mailed right after Pacificon, which will put us back on schedule for the first time in a year.

I will post an update on Sept. 20th, letting everyone know the status of the Summer issue. We want keep you up to date. I will also post when the issue goes in the mail.

NorCal now has a new database manager, actually, he has been on board for several months. Paul Maciel is the new Database manager and he will handle all questions on subscriptions to QRPP. His address is:

pmaciel@inow.com

Thanks to Paul for stepping forward to take on this huge job, which frees me up to do other things.

Date: Mon, 11 Sep 2000 20:33:54 -0700
From: Dan <tacquire@earthlink.net>
To: aweiss@usd.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79289] Re: Coax-fed Vertical -- Multiband Op? No!
Message-ID: <39BDA422.F7F0A7C5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can tune nearly anything to anything if you don't care about

efficiency. Example: Before I knew any better I tuned up my cushcraft 10 thru 20 meter vertical R5 on 80 meters. It worked fine, I could tune the swr on my versa tuner down to practically nothing and I made good contacts. However another Ham told me that the matching network at the base of the r5 was probably absorbing a great deal of heat(called it core saturation I think) at which point I discontinued doing that since I didn't want to burn up my brand new antenna. I've loaded up the wackiest things only to discover that I was doing so on accident(shorts, intermittent connetions, etc etc). Although in most of those cases it was with am tube gear which you can abuse the hell out of and it couldn't care less. I remember an article in 73 once about a guy that loaded up the bumper(insulated from chassis) of his truck as a 2 meter antenna :)

Dan

Adrian Weiss wrote:

> Hi gang:

>

> I mentioned in a previous post that a 1/4-wave vertical cannot be
> operated on other than its resonant band if fed directly with coax
> regardless of whether a tuner is inserted between the feedline and xmtr.
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> directly to the vertical.

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> A nearly resonant 40m vertical with 16 1/4-radials was modelled on EZNEC
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> provided the following base impedances. ZIZL was used to calculate
> feedline SWR loss and the amount of power which will actually reach the
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> used for the calcs = 50-ft of lowloss RG8X.

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> Freq.	Base Impedance	SWR	SWR Loss	Power Left
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> 40m vertical produces an acceptable match, as indeed has been long

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> power loss involved in this situation.
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> But if you don't know anything about antennas, check through some
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> proposed off-band operation of a vertical. The reason why you won't
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> If that doesn't provide your answer, then pop the question on the list.
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> Incidentally and off-topic, when people do "RE: Stupid Question"
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> how about putting the question as the "RE: What is the..."? You'll get
> quite a few more readers! Maybe even me!
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> 72, Ade

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>

> 72, Ade

Date: Sun, 10 Sep 2000 20:21:28 -0700

From: Brian Kassel <bkassel@dancris.com>

To: QRP-L <QRP-L@lehigh.edu>

Subject: [79290] ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?

Message-ID: <39BC4FB8.B87B5C1C@dancris.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Folks:

I have a chance to pick up a bunch of ULN2111A FM IF Detector IC's cheap. Has anyone ever played with these to work as an AM/SSB/CW IF or detector arrangement? I know that our own Steve Weber had fooled around

with an FM/DET IC of some sort at one time to do just this. Perhaps just part of the chip could be utilized for QRP HF work.

Brian K7RE
AZ ScQRPions

Date: Tue, 12 Sep 2000 05:38:06 +0100
From: "M0CQG" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79291] More questions on multi-band vertical
Message-ID: <005c01c01c73\$67288760\$704595c1@UKsolsf56>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All

Firstly, many thanks for all the informative replies on this subject, the collective expertise on this list, and willingness to share knowledge, never ceases to amaze me :-)

OK, I have now learned the error of my ways and have decided that I will feed my vertical with ladder line. I know the antenna will give different patterns of radiation at different frequencies, but I'm prepared to live with this.

Now, my understanding is that at the rig end, I will have the tuner. This is my trusty T-network unit with a 4:1 balun, which I'm guessing will be OK, if not exactly ideal, for 300 ohm ladder line. Between the tuner and the antenna, I will have a run of 300 ohm balanced line, then I will need **another** balun (since the antenna is unbalanced) at the feedpoint of the antenna. Does this also need to be a 4:1 transforming balun, or can it be simply 1:1 balun, in which case I assume this can be of the co-ax + ferrite bead type? Will both legs of the balanced feeder be **truly** balanced in this configuration, thus avoiding noticeable feed-line radiation? This is my biggest concern, as our house wiring (particularly the telephone wiring) is **very** susceptible to RF. I guess I will need to use stand-offs on the ladder line, and what about where it comes through the wall of the house - do I need to switch to co-ax at this point, or will the ladder line be quite happy? Finally, what about if I used 75 ohm hardline instead of the 300 ohm ladder? Would the losses be appreciably higher? I understand that this type of feeder is not so affected by nearby objects in terms of maintaining its balance... is this correct?

OK, sorry for the long post - I really do appreciate any help.

Thanks & 73

Mike
M0CQG

Date: Mon, 11 Sep 2000 21:44:04 -0700
From: k6mw <k6mw@jps.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79292] Trade UNBUILT Heathkit Power Supply kit for LDG AT-11
Message-ID: <39BDB494.8609E0A8@jps.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have an unbuilt Heathkit power supply kit (VFA-7401-1) that is collecting dust on my shelf.
I'd like to trade it for a LDG AT-11 (150 watt) auto tuner in EXCELLENT condition.

The power supply kit is in the factory box, all parts are still wrapped in the factory paper and comes with the builders manual. The box is open, but all contents are packed just as they came from Benton Harbor. According to the manual, the specs for the PS are as follows:

Output voltage:	13.8 VDC adjustable from 12 to 15 VDC
Output current:	4.0 amps
Output regulation:	Better than 1.5% from no load to full load
Output ripple	less than 2mV peak to peak
Power requirements	110 or 220 VAC (your choice when building)
Overall dimensions	3-1/16H x 7-1/4W x 9-7/8 Deep
Net weight:	5 lbs

If interested, please contact me directly.

73, Mike K6MW

Date: Tue, 12 Sep 2000 02:09:37 -0400 (EDT)
From: Joel Malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com

Subject: [79293] [CLUB] NE-QRP CW Net
Message-ID: <200009120609.CAA12888@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

The next NE-QRP Club CW Net will be Thursday evening at 9pm Eastern Time (0100z Friday GMT). This week we meet on 40 meters on about 7041. NCS this week will be me, K1QM. I will be using the Club call WQ1RP. All hams are welcome to check-in, say hello and send any message you like to the group. It's all very informal.

We have had quite a few check-in's the past few weeks... so please try to space out your check-in calls! (I'm not a fox!).

72 ... joel (queen mary)

--

/joel K1QM (K1 Queen Mary), Concord, MA.
QRP-L #337, QRP-ARCI #9305, MI-QRP #1641

Date: Tue, 12 Sep 2000 01:11:23 -0500
From: Gordon Couger <gcouger@couger.com>
To: py2one@uol.com.br, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79294] Re: R-7000 Vertical or Dipole
Message-ID: <041701c01c80\$4a406660\$1ca8413f@home.xxx>

Having worked a 90 foot 80 meter dipole over a 60 foot steel building I would say that the building acted like a ground and the antenna had high angle radiation.

If you can build a 20-18-15-12-10 meter vertical dipole on a 40 meter vertical. You get the same frequency coverage with better performance on all bands. the multielement dipole can be made by fanning all the individual wires out or feeding the 20 meter wire and capacitively coupling to the shorter elements.

If you need 80 do a short dipole or a short vertical. A switched coil in the 40 vertical will work well.

I suspect the short dipole will work the best that 5 dB loss for a vertical is hard to make up.

I have an R 7 and I am very happy with it. I think simpler wires will

cause less down time.

Gordon

Gordon Cougar gcouger@couger.com
Stillwater, OK www.couger.com/gcouger
405 624-2855 GMT -6:00

----- Original Message -----

From: "Renato Meneghim de Freitas" <py2one@uol.com.br>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, September 07, 2000 4:10 PM
Subject: Re: R-7000 Vertical or Dipole

> Over a 20 floor building which antenna work best for 40m DX? R7000 or a
Dipole?

>

> My real question is ... where is a real ground for a dipole or a yagi
over a

> high building? The ground is the top of the building or the earthy? I
asked that

> because a dipole over a high building will work as a full wave high
antenna.

>

>

> 73

>

>

> Renato Meneghim

> py2one

>

>

>

>

> "James R. Duffey" wrote:

>

> > Mark - I suggest that you put up both antennas. Be able to switch
between

> > the two. There are a number of reasons to have two antennas,
particularly if

> > one is horizontally polarized and one is vertically polarized.

> >

> > 1. There are times when one antenna will yield a better signal than
the

> > other, and it is nice to be able to use the one with the best signal

> > (Actually best signal to noise ratio). I would guess that your 40 M
dipole

> > will probably give the best signals most of the time, but there will
be

> > times when the vertical will be better.
> >
> > 2. You may find that QRM is lower on one antenna than the other, so that
> > even if the signal is lower, it will be easier to copy. The vertical will
> > have a null overhead which the dipole does not, so that close in strong
> > stations will be weaker on the vertical. This may be better when you are
> > trying to work stations much further away than the QRM is.
> >
> > 3. You may find that noise will be lower on the vertical for the same reason
> > as 2), except that in this case, close in noise sources, such as thunder
> > storms in summer, may be attenuated more on the vertical than on the dipole.
> >
> > 4. If you ever get a second radio, it is nice to be able to listen to two of
> > them at a time. As an example, get a cheap 10 M transceiver and put it on
> > the R-7000 to monitor the band for openings while you work 40 M. You may
> > also get into satellite work later on and you can work RS-12/13 Mode K with
> > one antenna on 15 M uplink and one on the 10 M downlink.
> >
> > 5. If you get a higher band radio and want to use the dipole on the higher
> > bands, there will be nulls in certain directions. The vertical will fill in
> > these directions and provide you with whole earth coverage, albeit it at
> > lower gain than with the dipole in its preferred direction. As an example,
> > at my QTH if the 40 M dipole is set up so the main lobe is centered on
> > Europe on 20 M and 17 M, on 15 M and higher there will be a null towards
> > Europe and lobes centered on South Africa. If you want to work everywhere in
> > the world, you just about need to rotate the antenna, have two antennas, or
> > have an omnidirectional antenna like the vertical.
> >
> > 6. If you get serious into contesting you may wish to operate with two
> > radios. The second antenna will come in useful here.

> >
> > 7. If something goes wrong with one antenna, you always have a backup.
This
> > is particularly good in winter when it is not always easy to do
antenna
> > work. Voice of experience.
> >
> > If you put up the vertical use a choke, or current balun at the
feedpoint to
> > reduce feedline radiation. These are easy to make; directions for
scramble
> > wound air core baluns are in the handbook, as are directions for bead
> > baluns; both of which are simple to make and effective.
> >
> > I hope that this helps. Let us know how this all turns out. - Dr.
Megacycle
> > --
> > James R. Duffey KK6MC/5
> > 30 Casa Loma Road
> > Cedar Crest, NM 87008
>

Date: Tue, 12 Sep 2000 01:13:43 -0500
From: Gordon Couger <gcouger@couger.com>
To: n6wg@earthlink.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79295] Re: R-7000 Vertical or Dipole
Message-ID: <042801c01c80\$9b3669c0\$1ca8413f@home.xxx>

Another consideration is a horizontal loop if you can get the full 240
feet up if not shorten it with coils or linear loading. It is a very nice
quite antenna.

Gordon W5RED
G. C. Couger gcouger@provlue.net Stillwater, OK

----- Original Message -----
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 06, 2000 11:33 AM
Subject: Re: R-7000 Vertical or Dipole

> Mark

> My heartiest recommendation is to keep both antennas up, and get an A-B
> antenna switch.
> You will find times when a given station will be substantially stronger
on
> the dipole than on the vertical. The reverse is also true. With QRP,
you
> need all the options you can have. You won't regret it.
>
> Each antenna type has its place. You really need both.
>
> 73, Bob N6WG
>

Date: Tue, 12 Sep 2000 07:15:46 GMT
From: "Leon Heller" <leon_heller@hotmail.com>
To: bkassel@dancris.com, qrp-1@Lehigh.EDU
Subject: [79296] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
Message-ID: <F113Kluevz176RbFGIU00008761@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
> I have a chance to pick up a bunch of ULN2111A FM IF Detector IC's
>cheap. Has anyone ever played with these to work as an AM/SSB/CW IF or
>detector arrangement? I know that our own Steve Weber had fooled around
>with an FM/DET IC of some sort at one time to do just this. Perhaps
>just part of the chip could be utilized for QRP HF work.
>

When the first RCA FM IF ICs came out (CA3011???), they were sometimes used
as linear AM/SSB IF amps, by making sure that the input signal was
below that which would cause the amp. to start limiting. I think I tried one
at the time, and got it to work.

73, Leon

--

Leon Heller, G1HSM
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

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Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Tue, 12 Sep 2000 07:35:39 GMT
From: "Leon Heller" <leon_heller@hotmail.com>
To: levent@netlabs.net, qrp-1@Lehigh.EDU
Subject: [79297] Re: Any experience with the isotron antennas
Message-ID: <F112fQxRR0fBtpq9kP900008f42@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>I was looking limited space antennas and find this antenna in the QST.
>Any experience pros and cons about the product? I am also interested
>with the transportability aspects of this antenna.

When I worked for Racal, we had a day with the Royal Signals regt. looking at their antennas. Someone from the Special Boat Squadron (Navy equivalent of the SAS) turned up with a van load of their antennas, which included an Isotron. They use it on their fast assault craft.

73, Leon

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<http://profiles.msn.com>.

Date: Tue, 12 Sep 2000 09:29:13 +0100
From: Vic Winton <Vic.Winton@trafford-press.com>
To: "'mgipe@reliablemeters.com'" <mgipe@reliablemeters.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [79298] RE: A good QRP week...
Message-ID: <C94AC5B1B413D411ABDC009027177A641C53@trafford01.trafford-press.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Yeah,

And the bears will usually want a tip, too !

Regards,

Vic Winton

-----Original Message-----

From: Mike Gipe [mailto:mgipe@reliablemeters.com]

Sent: 11 September 2000 21:20

To: Low Power Amateur Radio Discussion

Subject: RE: A good QRP week...

Cracking the pileup is easy compared to training the bears to unload a truck.

>
> After being off the air for 2 weeks I'm finally moved to my
> new QTH - a
> house on top of a big hill in Sussex County, NJ. While unloading the
> furniture off the truck, two black bears ambled through the
> back yard but
> paid no attention to me. Three days ago I put up an inverted
> V for 40m,
> fed with ladder line. With the DSW20 on the other end of the
> ladder line,
> I cracked 2 pile-ups and worked TA3DD and 7X4AN for new ones. Then I
> caught N2CQ and WA3WSJ on 40m operating on the Appalachian Trail.
>
> A pretty fun week so far...!
>
> John Harper, AE5X
> HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20
> Outdoor QRP <http://www.qs1.net/ae5x>

Date: Tue, 12 Sep 2000 09:37:51 +0100

From: Vic Winton <Vic.Winton@trafford-press.com>

To: "'n4xy@att.net'" <n4xy@att.net>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>

Subject: [79299] RE: Charging Gell Cells

Message-ID: <C94AC5B1B413D411ABDC009027177A641C54@trafford01.trafford-press.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Hi Ed,

Try a LM723 ic . This has good voltage regulation and a current limit. Use a 2N3055 current pass transistor. Feed the ic with 18 - 40 volts dc. Works very well. Lots of circuits around. I use one in Rad Com November 1998 (I think). There is a similar schematic in W1FB's book Design Notebook, though this does not have the current limit. I could fax the radcom article to you if no one else can do it easier.

73 de Vic GW4JUN

Regards,

Vic Winton

-----Original Message-----

From: Ed Tanton [mailto:n4xy@att.net]
Sent: 11 September 2000 22:16
To: Low Power Amateur Radio Discussion
Subject: RE: Charging Gell Cells

I would like some opinions on what the BEST IC is for Gel-Cell charging.
Thanks.

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

Date: Tue, 12 Sep 2000 06:04:15 -0400
From: neil tanner <ntan@crosslink.net>
To: qrp-l@Lehigh.EDU
Subject: [79300] re:coax fed vertical
Message-ID: <39BDFF9F.E4490D8D@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All-

I am not sure what the definition for coax fed is, but I have been using a random wire vertical described in an old issue of QQ (nf0r design) for

about 5 years now and it is fed with coax. My little MFJ tuner works great with it between the xcvr and ant. I am running 900mW most of the time on 40, 30 and 20. (homebrew rigs) No I haven't made dxcc/qrp yet nor have I taken first place in any of the qrp 'tests but I have filled a log with hundreds of great qrp qso's. Using my ft101ee, throttled back to about 5w I have loaded it on 80 (marginal), 15 and 10.....as well as 40 and 20

Seems to me my coax fed vertical is multiband.....72 Neil wa4chq

Date: Tue, 12 Sep 2000 06:17:06 -0400
From: neil tanner <ntan@crosslink.net>
To: qrp-l@Lehigh.EDU
Subject: [79301] calling CQ
Message-ID: <39BE02A2.FB5C4314@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello again-

I have seen it mentioned in several publications as well as here on the list regarding "CQing is not usually very effective at qrp power levels, particularly with simple antennas". Well maybe, but how many times have we answered a CQ and have received a great signal report? So why should there be a problem with calling CQ? I do it all the time with less than a watt into very simple antennas and get great results. In fact the other day while testing my HB 20m xcvr running 400mW, I called CQ and was answered by w0ch and we had a great 40 minute qso. Heck, I have called CQ running 60w and never got a reply and that was with a beam! For what its worth....72 Neil wa4chq

Date: Tue, 12 Sep 2000 06:15:09 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: ntan@crosslink.net
Cc: qrp-l@lehigh.edu
Subject: [79302] Re: coax fed vertical
Message-ID: <39BE022D.7913@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Neil,

>

> Seems to me my coax fed vertical is multiband.....

>

Anything can be made to radiate some signal. I would have to know more about the antenna to comment on it's multiband properties, but if the coax is not connected to anything at the far end you don't have a coax fed antenna. You have the equivalent of an end fed wire that uses the center conductor of the coax as a feeder and part of the antenna.

There is way too much literature on vertical antennas that says it can't happen. QRPers are not special and they aren't doing rocket science. Look again at what you have. Is it resonant anywhere? Does it use ground radials? How is the coax connected at the antenna, both sides used or one side just hanging?

Note, I am not saying that what you have can't work, I'm just saying that what you have is not operating as a coax fed vertical!

73

Date: Tue, 12 Sep 2000 06:49:54 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <m0cqg@dial.pipex.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79303] Re: More questions on multi-band vertical
Message-ID: <009201c01ca7\$30232660\$1910a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "M0CQG" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 12, 2000 12:38 AM
Subject: More questions on multi-band vertical

> SNIP:I will need

> *another* balun (since the antenna is unbalanced) at the feedpoint of the
> antenna. Does this also need to be a 4:1 transforming balun, or can it be
> simply 1:1 balun, in which case I assume this can be of the co-ax +
ferrite

> bead type? Will both legs of the balanced feeder be *truly* balanced in
this

> configuration, thus avoiding noticeable feed-line radiation? This is my

> biggest concern, as our house wiring (particularly the telephone wiring)
is
> *very* susceptible to RF. I guess I will need to use stand-offs on the
> ladder line, and what about where it comes through the wall of the house -
> do I need to switch to co-ax at this point, or will the ladder line be
quite
> happy? Finally, what about if I used 75 ohm hardline instead of the 300
ohm
> ladder? Would the losses be appreciably higher? I understand that this
type
> of feeder is not so affected by nearby objects in terms of maintaining its
> balance... is this correct?
>
> OK, sorry for the long post - I really do appreciate any help.
>
> Thanks & 73
>
> Mike
> M0CQG
Hi Mike you will not need the Balun at the feed point just connect the Twin
lead directly it will work fine..

73 Dave
kc1di

Date: Tue, 12 Sep 2000 08:22:14 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [79304] Re: Improvement - Ugly HB indoor Vertical
Message-ID: <E1F0152638DBD311AEF700D0B74455E20824F6@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain

Date: Sun, 10 Sep 2000 20:13:54 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [79211] Improvement - Ugly HB indoor Vertical

Howdy friends,
I just hadda pass this on. First off..thanks for the comments and
suggestions and shared experience. The wire wound PVC pipe was working
well
on 20 and 40, I'm having a blast. One gentleman on QRP-L suggested
adding a
capacity hat to the top. This hadn't occurred to me (many things

dont).

Cut a circle out of a paper plate and put a hole in the center. wrapped this

in tinfoil and put it about 1 inch below the top of the PVC pipe. Bared a

1/2 inch of the top of the wire and taped it to the underside of the disk.

Ugly but effective I guess as loading it up is eased, a tad more power out,

and I just got the first 599 plus I can ever recall receiving from WZ4L in TN

on 20M. More will be revealed, but seems like the hat did indeed improve

things. Once again QRP-L comes through...many thanks
72

Greg WB9MII

QRP ARCI 9719

Amateur Radio Post 380 - American Legion

Here's a question in a similar vein:

I plan on using Hamsticks in the future; since they are a similar type of helically wound antenna, would slipping a capacity hat onto them help? I am thinking of slipping it over the whip portion, for it to rest on top of the spot where the whip is adjusted. My guess is that it would help, but would a good connection be necessary, or can I just slip it on?

KB1CKT

Shawn Upton

Date: Tue, 12 Sep 2000 08:21:58 -0400

From: Ronald_A_Pfeiffer@res.raytheon.com

To: qrp-l@Lehigh.EDU

Subject: [79305] FT: HTX10 for 220MHZ gear

Message-ID: <85256958.0043E865.00@ressud-as01.res.ray.com>

Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii

Content-Disposition: inline

Have a Radio Shack HTX10 10 meter mobile in excellent condition that I no longer use. Want to get into local 220Mhz. I'm really open-minded.

Ron - N1ZSW

Date: Tue, 12 Sep 2000 08:43:28 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [79306] End Fire Antennas
Message-ID: <E1F0152638DBD311AEF700D0B74455E20824F7@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain

At least I think I have the name right. Or if not: An end fed, multiple wavelength antenna, but terminated at the far end. Something like 400-600 ohms; maximum gain in the direction of going from the feedpoint to the termination.

The question is, how do you terminate an antenna like this? After all, if the antenna is 10 feet off the ground (or 50 for the matter), how do you go 10 feet from the end of the antenna to ground? Use a 10 foot tall resistor?

Or could you simply, for the last 10 feet of the antenna, simply bend the antenna down and terminate into the ground? I'm thinking, 300 ohm twinlead matching section (J pole type of matching; or perhaps 300 ohm twinlead all the way to the tuner) up to the feedpoint (10 feet up or so), go out a wavelength or two, and then down for the last 5 feet-ish, into an elevated ground plane (4 quarter wave radials) via 400-600 ohm resistor (large wattage).

Also, would the standard 1/4 wave elevation or better still hold for optimum height?

Yeah, I know, I haven't picked a band for construction. Just want info. I'm kinda curious about trying this type of antenna, maybe not to use right now but at least get the info for when I do. Thanks.

KB1CKT
Shawn Upton

Date: Tue, 12 Sep 2000 09:15:18 -0700
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-1@Lehigh.EDU

Subject: [79307] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
Message-ID: <39BE5696.B2C48589@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Take a look at Sept. 86 QST article "SIMPLEceiver". It is a sideband/cw receiver based on the MC3359 FM IF.

72,
Craig NR4E
Melbourne, FL

Date: Tue, 12 Sep 2000 09:13:11 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: "Qrp" <qrp-1@Lehigh.EDU>
Subject: [79308] Re: "To sweat or not to....."
Message-ID: <1000812091310.JAA09919@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/9/00 20:58, Marty at N5NW@midsouth.rr.com wrote:

>On Sat, 09 Sep 2000 19:21:25 +0100, Arjen Raateland <Arjen.Raateland@vyh.fi>
>wrote:

>

>>Look for these type of 'phones at aviation goods suppliers. Pilots wear
>>'phones for long periods and so the phones need to be comfortable. There
>>are other brands besides Peltor who make 'phones for pilots. David
>>Clarke is one of them, but I have no experience with other brands. Of
>>course most of these aviation type 'phones have a microphone on a boom.

>

>These headphones typically have an aircraft plug -- an odd four conductor
>job.

The oddness isn't the four-conductor aspect - it's the unusual diameter of the plug.

Also, all aircraft headset microphones are carbon mikes, or they simulate carbon mikes in their circuitry. To use them, appropriate bias must be supplied to the mike.

The four-conductor plug is only used for the microphone. The headset is run from a conventional 1/4" mono or stereo phone plug.

Most aircraft headsets are designed more for noise reduction than comfort. They are heavy, bulky and tolerable for use from 2-6 hours. I wouldn't want to wear one all weekend for a contest.

Peltor is a notable exception. They have a design which is exceedingly lightweight and comfortable.

>Ideally, there would be an adapter of some sort, but I've never found one.

Jacks are available from many aircraft supply houses.

> Is

>the only answer to rewire the headset, to split the phones and mic plugs?

They arrive split already. You just need a separate jacks for the headphone and mic plugs.

Frankly, aircraft headsets are rather expensive for amatuer use. Units like the Heil Pro Set are less expensive, more comfortable, and designed for amatuer use. Personally, I like my well-worn Realistic Nova-50 lightweight stereo headset, or the Heil BM-10.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org

Quote: "Boot, you transistorized tormentor! Boot!"

-- Archibald Asparagus, VeggieTales

Date: Tue, 12 Sep 2000 09:16:51 -0400

From: "Ron Polityka" <wb3aal@fast.net>

To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>

Subject: [79309] N2CQ on AT in WV

Message-ID: <002901c01cbb\$d09a2940\$45125cd1@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Just worked Ken, N2CQ on the Appalachian Trail
in Harpers Ferry, WV on 7043.3 @ 13:05 UTC.

72 & 73

Good DXing

Ron Polityka

de WB3AAL

wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv

<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call

N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Tue, 12 Sep 2000 06:47:25 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
Cc: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [79310] Re: [Elecraft] K1 Small Delay for Enhancements
Message-ID: <39BE33ED.825436EC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Eric Swartz WA6HHQ - Elecraft wrote:

>
> This will delay the beginning of production shipments by two to three weeks. Our
> window was Sept. 7th to the 15th. This now puts us in the week following Sept.
> 29th.
>

Eric,

Is there any new info on ordering and availability of the KAT1?

Phil W7OX

Date: Tue, 12 Sep 2000 09:57:09 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [79311] British Joystick Antenna ?

Message-ID: <dd.975b094.26ef9035@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello QRP'ers

While going through some vintage QSL's one guy had a Joystick Antenna he was using. I remember hearing of these when I was a kid. Curiosity has me....has anyone ever used one ? What was (is) it ?

Take care and thanks

72

Greg WB9MII

QRP ARCI 9719

Minimal Station - Amazing Results

Date: Tue, 12 Sep 2000 09:58:23 EDT
From: W5HNSQRP@aol.com
To: qrp-l@lehigh.edu
Subject: [79312] FS OHR 400
Message-ID: <87.87a152.26ef907f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have been caught with too many idle radios.....something must go.

For sale..... OHR 400 with KC-2 built in.....\$240.00

Henry Schneider W5HNS

Date: Tue, 12 Sep 2000 09:58:20 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <k3tks@u1.abs.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [79313] RE: Repair of Old CC Headset cords.
Message-ID: <000701c01cc1\$82d2e8e0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Sir George:

I've been following this thread, and can see that I'll have to reveal my

age. The "bronze thread" and "tinsel wire" you guys refer to was very common when I got into ham radio 44 years ago--and found my self reading books such as Alfred P. Morgan's "The Boy Electrician" (which was written a few decades earlier!)

The wire is called Litz wire. It's a term that comes from the German word "litzendraht," which means "woven wire."

Litz wire was originally used in the early days of radio to minimize power losses in solid conductors due to skin effect, where it was noted that RF current flow primarily happened at the surface of a thick conductor. Litz counteracts this effect by increasing the amount of surface area without increasing the size of the conductor. I suspect that the great flexibility of the wire was why it was used in headsets. Surely it wasn't the frequency of operation that dictated its use!

In any case, thank you for a good description of how you deal with the stuff.

By the way, it's still available from a number of vendors.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of George Gingell

Sent: Monday, September 11, 2000 9:20 PM

To: Low Power Amateur Radio Discussion

Subject: Repair of Old CC Headset cords.

I can't find the original Question or Topic now, but here is my answer: ^)

Someone asked about repairing the Cotton Covered Headset Cords, such as used on Old Western Electric and Trimm Headsets.

The pair that I have were made in the Year that I was born. They were given to me by a Telephone Man down the street to use with my Crystal Radio and Later Ocean Hopper. I don't know what happened to the Ocean Hopper, but the Headset is still with me.

The cords are made of cotton covering and the "Wire" if you can call it that, is like Bronze Thread. There are only a few strands woven with a cotton core string. It is almost impossible to solder it.

Here is how I have repaired mine over the years.

First you determine the break point. In My case it was always where the cord entered the Receiver unit. It has two Tinned Brass Crimp type connectors on the end of the cord.

First, take a piece of 18 gauge Stranded wire, Preferably the silver or tinned type. Cut it to about 2" long and seperate the strands.

Temporarily put a piece of masking tape around the cord about an inch or two from the end. This is to prevent the cord from fraying.

Oops, I almost forgot cut a piece of heat shrink tubing 1/8" Dia. about an inch or 1 1/2" long and slip it down on the cord. It will be used in the end to cover the cord at the end to prevent fraying. Tape will not do, It just comes un-stuck with age.

O.K., Now insert three or four strands of the wire into the core sothat it makes contact with the "Bronze Tinsel" Some times I cut off some of the excess cotton thread. NOT THE Bronze Tinsel. Then I take a long single "Strand" and insert it also inthe center, then proceed to "Wire Wrap" the Strand around the bundle. Three Hands would be nice. :^)

Make the Wire Wrap nice and tight. Then Apply a bit of Flux, Liquid , or just dip it in the Flux tin. O.K. I will probable hear about "Don't Use Acid Flux!" Heck, I never checked what kind it was, I just used it.

Then using some of the nice skinny low temp solder. solder the bundle.

Then just cut off the Joint to about 1/2" long and insert it into the headset and tighten the screw. Slide the heat shrink into position and apply the hair dryer, Flame thrower, or whatever you use on the heat shrink.

I have also used a slightly different method with good success.

Very similar procedure, except Not Using the Long single strand as the outer wrapper.

#30 Guage BUS Wire is good for the "Wire Strands" as it is pre tinned.

three to five strands are inserted into the center of the Tinsel Wire as before, but then you thread the bundle thru a piece of 1/8" Brass Tubing (Check your local Hobby Shop) I use a piece about one inch long. After threading the bundle thru the brass tubing, Dip the end in the flux and solder. Just like pipe, the flux will make the tubing suck the solder right in side. It will fill all the area inside and make a pretty decent connection with the Tinsel. You did remember to put the heat shrink on the cord first and slide it down away from the working area. Else you will find it shrunk before it's time. :^)

When done, I use the Moto Tool with a cutoff wheel to make the new tip the proper length.

This latter method has worked best for me.

Some of my workmates have asked over the years how I manage to keep using the same cords on my test sets. :^) Now you know.(g)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

Gingell & Company, Ltd. Small Business Telephone Systems

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Maryland Milliwatt Club QRP Reference Library, (301)572-6789

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Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Tue, 12 Sep 2000 10:14:12 -0400

From: John AE5X <ae5x@juno.com>

To: qrp-l@Lehigh.EDU

Subject: [79314] Re: N2CQ on AT in WV

Message-ID: <20000912.101413.3406.0.ae5x@juno.com>

Anyone know what kind of rig Ken's using and whether or not he intends to operate on any bands other than 40m? Is he section hiking the Trail or driving around to various parts of the trail for the purpose of putting it on the air?

Sorry if these questions have already been covered - I've been internet-less for a while ;-)

John Harper AE5X

HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20

Outdoor QRP: <http://home.att.net/~j..harper>

On Tue, 12 Sep 2000 09:16:51 -0400 "Ron Polityka" <wb3aal@fast.net> writes:

>Just worked Ken, N2CQ on the Appalachian Trail
>in Harpers Ferry, WV on 7043.3 @ 13:05 UTC.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 12 Sep 2000 10:12:12 -0400

From: Bill Coleman AA4LR <aa4lr@radio.org>

To: <gcouger@couger.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [79315] Re: R-7000 Vertical or Dipole

Message-ID: <1000812101211.KAA14958@gate.iterated.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 9/12/00 2:13 AM, Gordon Couger at gcouger@couger.com wrote:

>Another consideration is a horizontal loop if you can get the full 240
>feet up if not shorten it with coils or linear loading. It is a very nice
>quiet antenna.

Having used horizontal loops myself, I can agree they are quiet antennas,
but my current preference is a dipole. Here's my reasoning:

* The key factor determining the performance of a horizontal antenna is
the height above ground (in wavelengths). This applies to both a dipole
and a loop equally. Since a dipole only requires 2 high supports, and the
loop requires three, more likely four, a dipole installation is therefore
simpler.

* Horizontal loop antennas only have directivity straight up. As you
raise their height, the pattern toward the horizon doesn't improve that
much. As a dipole is raised, it's pattern improves toward the broadside
of the dipole, with nulls off the ends.

A horizontal loop seems best suited for high-angle propagation at any
given height. A dipole is better suited for low-angle propagation.

Naturally a loop in the vertical position will have the same fine
attributes as a dipole, although its effective height is lower than a
dipole at the same height as the top of the loop. However, it would offer
some small amount of gain over a dipole.

Antennas sure are a lot of fun!

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
 -- Archibald Asparagus, VeggieTales

Date: Tue, 12 Sep 2000 08:32:55 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [79316] FS: Audio Filter & Heathkit ATU
Message-ID: <3.0.5.32.20000912083255.00991910@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have the following items for sale:

1. Autek Research QF-1A SSB/CW/AM Audio Filter (analog).
Intended for use between receiver audio output and speaker/phones.
Can select Peak, Notch, Low Pass or High Pass filter functions with
variable selectivity and center frequency. Separate "Aux. Notch"
filter that can be used in conjunction with main Peak/Notch/LP/HP
filter. Operates from 115VAC or 12VDC. Only mods are added jacks
for 12VDC input and stereo headphones (both on rear panel).
With documentation. Like new condition. Good QRM fighter.

\$50 plus shipping.

2. Heathkit HFT-9A Antenna Tuning Unit.
Matching unit for HW-9 transceiver. Standard "T" design with coax,
single wire and balanced line output. Should handle 15-20W OK. Good
condition -- some scratches on top of case but none on front panel.
Very clean inside. No mods. With original manual.

\$40 plus shipping.

72/73,
Larry W1HUE/7

Date: Tue, 12 Sep 2000 10:30:04 -0400
From: Bill Lazure <n2tpa@juno.com>
To: levent@netlabs.net
Cc: qrp-l@lehigh.edu

Subject: [79317] Re: Any experience with the isotron antennas
Message-ID: <20000912.103815.-4055111.0.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Levent,

I own a 15M, 10M, and 80M version. The 10 & 15 work OK. A dipole works better, but for their small size, they work.

The 80 DOESN'T WORK. I mounted it and tuned it up per the instructions. My 2:1 bandwidth was about what I'd been led to believe it should be. It was hearing signals about as good as my low dipole, but no one could hear me!!!! After hours of frustration, I took it down and strung my dipole back up. I've never mounted the Isotron since.

73,

Bill
W2EB
Syracuse, NY

On Mon, 11 Sep 2000 18:38:14 -0400 Levent Sasmazel <levent@netlabs.net> writes:

> Hi Gang,
>
> I was looking limited space antennas and find this antenna in the
> QST.
> Any experience pros and cons about the product? I am also interested
> with the transportability aspects of this antenna.
>
> Thanks and 73s
>
> Levent Sasmazel KC2CNY
>
>

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Date: Tue, 12 Sep 2000 10:31:43 -0400
From: Bill Lazure <n2tpa@juno.com>
To: ku7y@dri.edu

Cc: qrp-1@lehigh.edu
Subject: [79318] Re: [OT] email service provider info needed
Message-ID: <20000912.103815.-4055111.1.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Monte,

<http://www.juno.com>

Pick the FREE e-mail option.

73,

Bill
W2EB
Syracuse, NY

Monte Stark <ku7y@dri.edu> writes:

> I am looking for a cheap place that has a 800 number where
> I can up load and down load email.
>
> I do NOT need WEB access.
>
> Lets only look at those who are under \$10/month.
>
> Thanks for the BW and help,
>
> 73, Ron
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
>SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
>Visit my Home Page.....<http://www.qsl.net/ku7y/>....
>

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 12 Sep 2000 10:40:13 -0400
From: Bruce Muscolino <w6toy@erols.com>

To: cferris@aeronix.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [79319] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too?
Message-ID: <39BE404D.9FA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Craig,

The SIMPLEceiver was designed and built by Bruce Williams, WA6IVC, now a SK while he was at League Headquarters. It was a nice project but suffered from low audio and relatively poor selectivity. The design was superseded by several NE602 based designs, including a double conversion transceiver project.

The SIMPLEceiver was kitted by Dick Smith down in Australia and may still be available down there. I currently own MXM industries but have no parts for the SIMPLEceiver on hand.

73

Date: Tue, 12 Sep 2000 10:42:21 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
To: "'n2tpa@juno.com'" <n2tpa@juno.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79320] RE: [OT] email service provider info needed
Message-ID: <95CB658F8515D211B84B00805FA72866033242FA@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

For totally FREE, I use NetZero.com for full web service.

Jerry
W3CDE

-----Original Message-----

From: Bill Lazure [mailto:n2tpa@juno.com]
Sent: Tuesday, September 12, 2000 10:32 AM
To: Low Power Amateur Radio Discussion
Subject: Re: [OT] email service provider info needed

Monte,

<http://www.juno.com>

Pick the FREE e-mail option.

73,

Bill
W2EB
Syracuse, NY

Monte Stark <ku7y@dri.edu> writes:

> I am looking for a cheap place that has a 800 number where
> I can up load and down load email.
>
> I do NOT need WEB access.
>
> Lets only look at those who are under \$10/month.
>
> Thanks for the BW and help,
>
> 73, Ron
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
>SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
>Visit my Home Page.....<http://www.qsl.net/ku7y/>....
>

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 12 Sep 2000 07:50:07 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: K4IA@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79321] Re: QRP - best starter kit?
Message-ID: <20000912145007.18146.qmail@web2002.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well this is one of those ford vs. chevy, toyota vs.
nissan type questions!

I believe the TenTec rig has higher performance than the Cub after reading the reviews ... I don't have first hand experience with the cub (but it was reviewed in QST recently - i just don't think it is as good a value).

I use a TT 1340 and am very happy with it. It has a nice rugged enclosure and good performance. 70 kHz covers where most of the CW action is these days - particularly if you have a "main rig" that covers the rest of the band including the "novice" segment. The Ten Tec kits may remind you more of the old heathkits in terms of the manual and how the rig is constructed.

If you need a warm up to boost your confidence - Ten Tec has a nice VSWR/power meter that was featured in a recent QST QRP column. What's nice about this unit is that it covers 160-2 meters and has low power/high power ranges. I also have one of these in the shack. In fact I have 5 TenTec kits in the shack now.

The OHR and EMTECH are fine rigs, along with the small wonders labs products.

The one thing you will notice that is different is that the modern kits use smaller parts that are more tightly packed. When you open the TT1340 kit that is all packed in the enclosure - you will be amazed at the large number of components! So be patient and make sure you have the right tools (including small ~25 watt soldering iron).

So welcome back to the home construction contingent of the hobby!

Curt WB8YYY

--- K4IA@aol.com wrote:

- > Been QRT for 30 years and the last kit was a
- > Heathkit DX-60 and VFO -- real
- > tubes and wires.
- >
- > Am looking for a reasonably featured kit project.
- > Here's what I come up with:
- >
- > TenTec and MFJ Cub are about the same, cover 50 - 60
- > khz, with the TenTec
- > having RIT but the Cub uses less than half the

> battery power. Neither has a
> keyer. \$95
>
> OHR is full 5W, covers 70 khz has RIT and an
> available keyer. \$130 + \$30 for
> keyer.
>
> The Emtech is the most expensive, covers the whole
> band, has a variable XTAL
> filter but I can't tell if it has RIT or a keyer.
> It comes in at \$130 + \$30
> for the cabinet.
>
> The Elecraft K-1 is the most sophisticated with
> RIT/XIT, and a keyer at
> \$269. It may be unfair to include this in the "pick
> list" but it covers two
> bands so it is in the ballpark against two of the
> above.
>
> Now, what do you think? Best kit? Best beginner
> kit?
>
> Tnx es DX
>
>
> K4IA
> Buck
> Fredericksburg, Virginia USA
>
>

> REAL CHEAP Long Distance 4.9 cents/min Interstate
> and REAL CHEAP Intrastate,
> International, Toll Free, Callback, Calling Cards,
> Pagers and more Check out <
> A
>
> HREF="http://www.ld.net/?bucksavers">http://www.ld.net/?bucksavers
>

> -----

Do You Yahoo!?
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<http://mail.yahoo.com/>

Date: Tue, 12 Sep 2000 15:51:26 +0100
From: Vic Winton <Vic.Winton@trafford-press.com>
To: "'WB9MII@aol.com'" <WB9MII@aol.com>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>
Subject: [79322] RE: British Joystick Antenna ?
Message-ID: <C94AC5B1B413D411ABDC009027177A641C58@trafford01.trafford-press.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi Greg & Gang,

The Joystick was sold in the UK during the late 60's and early 70's I think by G3VFA whose slogan was "Variable Frequency Antenna". It was at the time the butt of many jokes as I think many folks thought it was a gimmick. However they did sell quite a lot of them.

It was basically a loaded dipole with the elements being made of light aluminium tube. I think about 6 feet long in total. They sold a tuner with the antenna. Many folks connected the tuner to the antenna with a straight wire. Not sure how that was supposed to work !

They were often used indoors .

Some claimed great success with them but I guess it is all a question of degree. A dipole outside would have been better and cheaper. And we all have tales of DX with puny antennas in good conditions.

73

Regards,

Vic Winton GE4JUN

PS Will someone please send us some petrol (sorry gas). We ain't got none over here !!!!!

-----Original Message-----

From: WB9MII@aol.com [mailto:WB9MII@aol.com]
Sent: 12 September 2000 14:57
To: Low Power Amateur Radio Discussion
Subject: British Joystick Antenna ?

Hello QRP'ers

While going through some vintage QSL's one guy had a Joystick Antenna he was

using. I remember hearing of these when I was a kid. Curiosity has
me....has anyone ever used one ? What was (is) it ?

Take care and thanks

72

Greg WB9MII

QRP ARCI 9719

Minimal Station - Amazing Results

Date: Tue, 12 Sep 2000 10:05:06 -0500

From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>

To: "'Vic.Winton@trafford-press.com'" <Vic.Winton@trafford-press.com>, Low Power
Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [79323] British "Joystick" antenna

Message-ID: <E78D8A9D6762D411B5440008C791D4AA199ABF@dfwex03.allegiancetelecom.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

When I had the marvelous good fortune to work and live in the UK from 1967
to late 1974, I owned a "Joystick" *mobile* antenna for 160M. Yes! That's
right! One Hundred Sixty Meters! No, silly, it wasn't that long, but it
has one heck of a long helically-wound loading coil near the top stinger! I
still have this antenna, by the way, and I'm considering running it mobile
as I did when I was in the U.K.

At the time, I had a 1966 Volkswagen "Beetle" with a 6 volt electrical
system (the very next year, they converted to 12 volts - curses!). I
installed an "up-converter" (bought surplus, made by RCA) that converted 6
vdc power to 12 vdc, and installed an extra battery under the rear seat (the
regular car battery was on one side and the added batter was mounted on the
other side of the control linkage tunnel) to supplement the current draw.

This "Beetle" looked like a pre-WWI Prussian general's helmet! I also had
2M and 70 cm antennas mounted fore and aft of the Joystick topband antenna.
I fiddled my Blaupunkt AM broadcast radio to cover Top Band (of course, I
lost the bottom end of the tuning range), and could operate truly
full-duplex when our local ham club would do "car-a-vans" to Longleat Rally
or other major hamfests.

My Top Band rig, by the way, was a home-brew jobber-do that met the Post
Office's requirements --- only a 5763 in the power amp. Maybe ran about
10-15 watts input, but it was high-level plate modulated and had superb
audio. Who knows how much output was generated? Certainly not I, 'cause I
didn't own a wattmeter in those days!

Ah..... fond memories of Joystick!

Karl K - W8TIF
(ex-G5AGX)
McKinney, Texas

-----Original Message-----

From: Vic Winton [SMTP:Vic.Winton@trafford-press.com]
Sent: Tuesday, September 12, 2000 9:51 AM
To: Low Power Amateur Radio Discussion
Subject: RE: British Joystick Antenna ?

Hi Greg & Gang,

The Joystick was sold in the UK during the late 60's and early 70's I think by G3VFA whose slogan was "Variable Frequency Antenna". It was at the time the butt of many jokes as I think many folks thought it was a gimmick. However they did sell quite a lot of them.

It was basically a loaded dipole with the elements being made of light aluminium tube. I think about 6 feet long in total. They sold a tuner with the antenna. Many folks connected the tuner to the antenna with a straight wire. Not sure how that was supposed to work !

They were often used indoors .

Some claimed great success with them but I guess it is all a question of degree. A dipole outside would have been better and cheaper. And we all have tales of DX with puny antennas in good conditions.

73

Regards,

Vic Winton GE4JUN

PS Will someone please send us some petrol (sorry gas). We ain't got none over here !!!!!

Date: Tue, 12 Sep 2000 08:14:18 -0700
From: "Jim Johnson" <km7h@kvi.fanz.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [79324] WTB: HW-8 Manual
Message-ID: <002501c01ccc\$286fde20\$fbf01440@lynprint>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Would like to purchase manual for HW-8 - either original or reprint. Would also be interested in Hotwater Handbook.

Jim, KM7H

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Get your free Internet access at <http://www.1stUp.com>

Date: Tue, 12 Sep 2000 08:32:27 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [79325] PSK31 contesting Pro/Con
Message-ID: <20000912153227.26022.qmail@web703.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Contests in general stir up all kinds of opinions, some hate em and some love em. So I'll stay clear of that.

But I'll just remind our QRP friend Bill that you can find a RTTY contest for almost every month of the year. If RTTY contesting is so popular, why cant psk31 become popular too?

Maybe Bill will join us in the next ARCI PSK test? If not we can look for him and do some keyboarding. Its ALL a blast.

People love to rag chew on RTTY, and its a comfortable mode for that. But its also a blast to play in these contests!

As QRP'ers discover how much fun psk31 is, there will be more rag chewing, and more contests.

My paddles enjoy the prime position on my operating position. But I also have this notebook computer here, and its just given me 2 free ham radio modes! Psk31, and RTTY!

More flavors for the QRP stew! Dig in!!

Both psk31 and RTTY milliwatt REAL GOOD too!

Jim KJ5TF
"All Milliwatts, All The Time"

>I have been reading some of the comments about last
>weekend's PSK
>contest. Almost everybody mentioned that making
>contacts was a slow
>process. There is a reason for that. PSK-31, by
>design, was never
>intended to be a 'contest' mode. Rather, it was
>designed for keyboard
>to keyboard, ragchewing.

>My personal opinion of contesting with PSK-31 like
>trying to pound a
>nail with a crescent wrench. It CAN be done but it
>is awkward at best.

>--

>-----

>Bill Jones - KD7S <><

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

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Date: Tue, 12 Sep 2000 09:19:46 -0700

From: Bill Jones <kd7s@psnw.com>
To: kj5tf@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79326] Re: PSK31 contesting Pro/Con
Message-ID: <39BE57A2.8EB5B460@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jim and all,

I don't understand how my original message could have caused so much distorted thinking. First, everyone please understand that I absolutely LOVE PSK-31 and have been operating that mode for almost two years. I am also NOT anti-contest. I have participated in my share of contests over the years. I am not very good at contesting, but I still have fun.

Jim, I never suggested PSK-31 contesting couldn't, or wouldn't become popular. All I said was that the program was designed to be a keyboard-to-keyboard ragchew mode. As such it doesn't lend itself well to the fast paced contest exchange of other modes like RTTY, CW and even SSB. That's it nothing more and certainly nothing derogatory about PSK-31, contesting or testers themselves.

Jim Hale wrote:

< ... <snip>If RTTY contesting is so popular, why cant psk31
> become popular too?

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Tue, 12 Sep 2000 12:27:06 -0500
From: "George, W5YR" <w5yr@att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79327] Re: coax fed vertical
Message-ID: <39BE676A.CB7D1B0@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce isn't joking about one side (the braid) of the coax just hanging .

. .

Once in another lifetime I was in Greece doing a systems inspection of all the Royal Greek Air Force comm facilities. We were flying into a base near Solonika and tried to raise them about 20 miles out. No joy. Kept trying, and finally got a response when in sight of the field.

When I examined their antenna installation, I found about 4 vertical wires (for different HF frequencies) nicely installed, etc. but with only the coax center conductors of the coax feeds connected to the wires. All the braids were floating at the antenna end!

A brief multi-lingual lesson on antennas and transmission lines led to all the braids being grounded (in some fashion - can't recall) and the rigs retuned.

Flying away from the base, we had solid HF comms out to over 50 miles.

It do make a difference!! <:}

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

Bruce Muscolino wrote:

> There is way too much literature on vertical antennas that says it can't
> happen. QRPers are not special and they aren't doing rocket science.
> Look again at what you have. Is it resonant anywhere? Does it use
> ground radials? How is the coax connected at the antenna, both sides
> used or one side just hanging?

Date: Tue, 12 Sep 2000 10:50:23 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Supton@ALLEGROMICRO.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79328] Re: End Fire Antennas
Message-ID: <20000912175023.24139.qmail@web3005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Shawn,

For single band use you can you a 1/2 wavelength piece of wire and connect the end

of your antenna
to the center of this 1/2 wavelength piece of wire. The 1/2 wavelength piece of
wire should be
perpendicular to the antenna wire. The fields from this wire will cancel in the
far field and
will not contribute to the radiation.

For broadband use the problems you describe may be the reasons many folks with the
room for such
antennas go ahead and use a rhombic antenna. There the resistor is simply placed
between the two
end of the antenna.

For your antenna the vertical section of the wire going from the antenna to the
termination
resistor will contribute some to the total radiated field but this will just fill-
in some of the
nulls of the radiation pattern. You're mainly trying to absorb the reflection
from the far end of
the antenna to keep the uni-directional pattern. If you don't care about the uni-
directional
pattern then you don't need to terminate the antenna.

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@arrl.net

Do You Yahoo!?

Yahoo! Mail - Free email you can access from anywhere!

<http://mail.yahoo.com/>

Date: Tue, 12 Sep 2000 11:19:59 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-1@lehigh.edu>

Subject: [79329] RE: QRP Best Starter Kit??

Message-ID: <01c01ce6\$0f95b860\$330b0d0a@dhendricks>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I have seen several posts on this, and all have been good reading. I would like to add my two cents here. First of all I want to define the question as to which QRP Transceiver is the best first kit to build? My answer is still the SWL 40+ from Dave Benson. Why?

1. Price. The kit is only \$55 (that does not include case, connectors and controls, but you can do that easily for \$10 more).

2. Availability of the Elmer 101 information. You can get a complete course in building the kit, explaining not only what you are to do, but why. (You get the info from a web page, buy the Elmer 101 issue of QRPp for \$12 including S&H from QuickSilver Printing, P.O. Box 757, Socorro, NM 87801, or you buy the 98 Back Issues of QRPp, which have both the Elmer 101 issue and the Jim Kortge 2N2222/40 info for \$24, see NorCal web page, <http://www.fix.net/norcal.html>)

3. The SWL40+ has a real VFO that you can put anywhere on the band you want to. It gives you about 50 kHz of coverage.

4. The manual from Dave Benson is outstanding, so is his service if you have problems.

5. It is an easy kit to build.

6. When you get done, you have a real radio, that will enable you to make hundreds of qsos. Plus, it is small, easy on batteries, stable, light, and is a joy to take out in the field for portable operation.

I like it better than the following radios for the following reasons. Note that all of these are good kits, I just like the SWL40+ best.

1. SST: Costs \$30 more, has VXO that limits the portion of the band you operate on.

2. Tentec Series: Costs \$45 more, big cludgy case, heavy. Has some drift problems.

3. DSW Series: Costs \$35 more, out of production. \$75 more with case and controls.

4. Red Hot Radio Series: Costs \$80 more, over 350 parts, high current drain compared to the SWL40+ (This is a great second radio kit though. It is a magnificent performer for a home station rig.) Plus it also is currently out of production.

5. Cub: costs \$40 more, DRIFT problems. (Can't understand why nobody who reviews this rig doesn't mention that) Needs several mods to make it comparable to the SWL40+ and then I am not sure that it measures up after the mods. I don't think that this is a good beginner kit because of all the mods that it needs. Plus, because most of the parts are premounted, you really don't get to build the kit. Others may disagree with the last reason, saying that it makes it a good first kit because you don't have to

build as much. I say that you learn by doing. If you don't want to build, then why buy a kit??

6. Emtech 80XX. Another good kit, but more expensive than the SWL+, but a very good performer. Has very good manual.

7. OHR100, Also a good kit, but again more expensive.

Again, any kit of the above is a good kit, but you asked which is the best, I gave my opinion. We are very lucky to have such a wide range of choices. Apologies to any that I have left out. The main thing is to get one and build. Learn and have fun. Welcome to a fascinating part of the hobby.

72, Doug, KI6DS

Date: Tue, 12 Sep 2000 13:39:22 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [79330] Spare change..
Message-ID: <200009121815.0AA12625@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Someone the other day suggested putting a dollar in a jar everytime you get on the air, to go towards buying a new rig. Last Jan 1st, I started doing something similar, by putting all my pocket change at the end of the day into a jar. I now have about 25 pounds of loose change and figure I should soon be able to buy something like the K1 for "spare change" :-)

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 12 Sep 2000 14:18:46 +0930
From: lenny wintfeld <w2bvh@home.com>
To: njqrp club <njqrp@njqrp.org>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79331] Need specs on some dipped mica caps
Message-ID: <39BDB5AE.C3B50AC3@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi!

Now here's a very obscure query. If anyone has the info they're on this list!

I'm looking for specs (voltage, tolerance and tempco) for the following series of dipped mica caps:

KS16953L3
KS16958L3
KS16742L1
KS16591L2

... and similar series.

I believe these are all Sangamo caps.

Thanks in advance for any help you can give.

Best 73,

Lenny W2BVH

Date: Tue, 12 Sep 2000 15:14:00 -0400
From: ekwik@rtimail.com
To: qrp-l@Lehigh.EDU
Subject: [79332] MI QRP NET
Message-ID: <0FDD462AAE.010D35ED-ON85256958.00694DD5@rtimail.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Not sure how conditions will be tonight but the storms from last night have cleared. The Michigan QRP Net meets each Tuesday night at 9:00 PM eastern time on 3.535 +/- QRN. All check ins are welcome. NCS is AB8DF.

Ed AB8DF

Date: Tue, 12 Sep 2000 15:20:11 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "NJQRP" <NJQRP@njqrp.org>
Subject: [79333] PSK31 and 80m ... progress on new projects!
Message-ID: <003501c01cee\$abeffd80\$87ca9cce@gheron>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There's been some real excitement growing this year concerning PSK31, the "digital QRP" communications mode ...

- a) the beautifully-functional waterfall display of DigiPan software for the PC;
- b) the revolutionary and innovative "PSK-20" single-board PSK31 transceiver from NN1G and Small Wonder Labs;
- c) some outstanding article support from ARRL in QST, from RSGB in RadComm, and others;
- d) a very active PSK31 email reflector and resource web sites;
- e) two PSK31 contests conducted this year (most recent one was this past weekend); and even
- f) the recent QRP-L discussion of how to effectively operate using this mode.

Well, there are even more things happening that will be stoking up the interest level even more for this fun mode, and I wanted to give everyone here a little insight to what's coming down the pike for QRPers.

1) PSK-80 "Warbler" Transceiver Kit

We've mentioned before that the NJQRP has been working very closely with Dave Benson, NN1G and we will shortly be announcing availability of an 80m version of the NN1G single-board PSK31 transceiver kit. As overviewed at the last Atlanticon QRP Forum (you did obtain a copy of the Proceedings containing this paper, right?!), this project is the baby brother direct-conversion version of NN1G's popular PSK-20 superhet design. Not all the bells & whistles are included on the 80m version, but then again the price is also less ("in the thirty-dollar range").

The prototype PSK-80 boards have been done and field tested. And as recent as during the last two nights, the first of the production run boards have been field tested with very good results. More than 4W PEP output is obtained from this board ... perfect for PSK31! Dave Benson, NN1G is going to hop on the List here and describe some of the testing and results that he's been spearheading with us field testers: fellow Hall of Famer Joe Everhart N2CX, Skip Teller KH6TY (developer of the popular DigiPan software package), and moi (George, N2APB).

2) "Squirt-80" Antenna Kit

Joe Everhart, N2CX, being the clever ham's ham that he always is, has developed a novel solution to an age-old problem: "How to construct/mount an effective 80m antenna in space-restricted areas". Although Joe's solution is a variant of the time-tested dipole, his ingenious design approach is coupled with the NJQRP kitting engine to provide everyone with

an economical and eminently performing "antenna kit" specifically geared for 80m PSK31 operation. We'll be fully describing the Squirt-80 in the forthcoming Summer issue of QRP Homebrewer, due on the streets in the last week of this month ... but for now think of the N2CX "Gusher" series of antennas, but downscaled to a dribble.

3) "Portable PSK without a PC"

Doug Hendricks, KI6DS asked me to speak at the NorCal-sponsored Pacificon QRP Forum this year, and he asked if I would present the novel approach I've been developing this summer to the design of a PSK31-capable "rig" that is ideally suited for field operation. It's a field rig because it does **not** require a PC. HUH????!! Yup, I've been operating PSK this summer with a small DSP board programmed with the PSK31 modem "algorithms", which in some circles isn't really too hard to do. But an aspect of being "novel" comes about in the human interface. The conventional way to operate PSK31 is to lug around a laptop with an LCD screen that is cumbersome to set up and difficult to view while out in the field. Well, my design integrates the PSK control aspects right **into** the DSP board that does the actual modem'ing itself, and then I control the station via Morse input (via paddles) and output (via speaker). Although the station is configured out the wazoo for different options (RS-232C external communication, 2-line LCD display with Morse-ASCII conversion, optional miniature keyboard input, and more), the whole thing fits into a small 4"x4"x5" enclosure that also contains the Small Wonder Labs' PSK-20 transceiver board and the NN1G-NJQRP PSK-80 Warbler transceiver board. Whew! Who'da thought you could take a small box like this on the trail to operate dual-banded PSK31, armed with a simple paddle and a Squirt of an antenna?! Doug Hendricks will be telling you more about this project when he describes the details of Pacificon QRP Forum coming up next month, and I think you'll see this in one of the major QRP journals very soon.

Man, this is a lot of PSK happenings. I think the homebrewing QRPers and those interested in dabbling in leading-edge Amateur technology are really enjoying the landscape these days. There's plenty to get oneself wrapped into and be excited about. We sure are!

73, George Heron, N2APB
n2apb@amsat.org

Date: Tue, 12 Sep 2000 15:54:08 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-1@Lehigh.EDU
Subject: [79334] Before winter gets here...
Message-ID: <v03110709b5e4392f7560@[132.235.81.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I took these two pictures of an antenna brace made out of square 1" tubing, steel. about 1/16" thick walls. I neglected to drill a little drain hole for the rain and weather to drip out and you can see the results of the amazing power of freezing water! Fortunately the antenna was just a UHF array and didn't fail, but it could have!

So before you get all set for winter... make sure your antennas and brackets cannot collect water and freeze!

Here is the side view, notice the swelling:

<http://www.qsl.net/ns80/ice.jpg>

Here is the swelled part compared to how it originally looked before the amazing strength of the ice

<http://www.qsl.net/ns80/endview.jpg>

NS80

Date: Tue, 12 Sep 2000 16:06:03 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <n2apb@erols.com>, <qrp-1@lehigh.edu>
Subject: [79335] Re: PSK31 and 80m ...new projects!
Message-ID: <000401c01d0e\$31f596a0\$ee9b2a3f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: George Heron N2APB <n2apb@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, September 12, 2000 12:24 PM
Subject: PSK31 and 80m ... progress on new projects!

.....

>1) PSK-80 "Warbler" Transceiver Kit
>We've mentioned before that the NJQRP has been working very closely with
>Dave Benson, NN1G and we will shortly be announcing availability of an 80m
>version

Named after the NJ State bird, I understand. I had thought that it was the
mosquito, but I'd apparently been misinformed. <g>

I'll report later with some results. For those in the northeast, we'll be
on at 9PM+ this evening
around 3580.5

73- Dave Benson, NN1G

Date: Tue, 12 Sep 2000 13:30:52 -0700
From: Andreas Junge <andreas@OpenGrid.Com>
To: ki6ds@dpol.k12.ca.us, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79336] RE: QRP Best Starter Kit??
Message-ID: <E5759E504187D311B0CF00C04F60ADCD2C7A57@galaxy.opengrid.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Does nobody like the Wilderness NorCal 40a anymore ?

Good receiver
VFO with 60Khz anywhere in the band
Low current draw
Case with cool latches
easy to build
optional freq counter/keyer with front plate for extra knobs and buttons
Good support from Bob, KD6VIO

It's a little bit pricey, but I have two !

Just wondering...

Andreas, N6NU
Menlo Park, CA (CM87VK)

Date: Tue, 12 Sep 2000 16:44:43 -0400
From: "Brian" <brian@iquest.net>
To: <andreas@OpenGrid.Com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79337] Re: QRP Best Starter Kit??
Message-ID: <000901c01cfa\$47aff710\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You couldn't BUY my NC40a. It's a AWESOME rig.

I'll never get rid of it.

----- Original Message -----

From: Andreas Junge <andreas@OpenGrid.Com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 12, 2000 4:30 PM
Subject: RE: QRP Best Starter Kit??

> Does nobody like the Wilderness NorCal 40a anymore ?
>
> Good receiver
> VFO with 60Khz anywhere in the band
> Low current draw
> Case with cool latches
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buttons
> Good support from Bob, KD6VIO
>
> It's a little bit pricey, but I have two !
>
> Just wondering...
>
> Andreas, N6NU
> Menlo Park, CA (CM87VK)

>

Date: Tue, 12 Sep 2000 14:34:05 -0600
From: "Dittmar, Mark" <Mark_Dittmar@Maxtor.com>
To: "'Qrp-L list'" <qrp-l@Lehigh.EDU>
Subject: [79338] Stuff FS
Message-ID: <F153EE743A2BD311BC6700A0C9E1308002A90AE4@mcoexc01.mlm.maxtor.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi All:

1) FS: Kenwood TR751A 2 meter multimode (USB, LSB, CW, FM)transceiver, with microphone, DC power cable, and manual. 5 W / 25 W selectable output power. Very good condition. Works great.

\$310 shipped CONUS.

2) FS: Unbuilt Hamtronics CC432-5 UHF Receiving converter kit , with case and hardware. This unit converts 435 - 437 Mhz to 28 - 30 Mhz.

\$70 shipped CONUS.

3) FS: LDG "QRP" automatic antenna tuner kit, unbuilt. This is the one WITHOUT the latching relays.

\$75 shipped CONUS.

73,
Mark, AB0CW
Westminster, CO

Date: Tue, 12 Sep 2000 13:53:10 -0700
From: Allan Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [79339] SST problem: audio squawking
Message-ID: <39BE97B6.E98447DF@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I built up an SST/20m last fall as a backup rig for backpacking adventures. I had actually only used it on a quick test across town with W6AGS prior to the recent Sequoia park trip. When it was tried there (Bob's DSW-20 had a loose connector at the time), the rig gave an unpleasant audio squawk as soon as the audio pot was turned past 3/4 or so. The problem was reproduced at home on the bench supply.

Can someone direct me to a known fix, if one exists? Thanks!

Allan K7GT

-

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Tue, 12 Sep 2000 16:53:03 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79340] Re: QRP Best Starter Kit??
Message-ID: <39BE97AF.619BA924@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have one and I like it. Little big for backpacking but great for packing in luggage. To me, it has a nice feel to it.

Michael N4NMR

Andreas Junge wrote:

> Does nobody like the Wilderness NorCal 40a anymore ?
>
> Good receiver
> VFO with 60Khz anywhere in the band
> Low current draw

> Case with cool latches
> easy to build
> optional freq counter/keyer with front plate for extra knobs and buttons
> Good support from Bob, KD6VIO
>
> It's a little bit pricey, but I have two !
>
> Just wondering...
>
> Andreas, N6NU
> Menlo Park, CA (CM87VK)

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Tue, 12 Sep 2000 16:56:26 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>
Subject: [79341] QRP at the ARRL Company Picnic
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C58F@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Thought you might like to see a bit of QRP at the ARRL company picnic. Hope this doesn't crack too many monitors!

<http://www.arrl.org/~ehare/temp/W1RFI-Picnic.jpg>

73,
Ed Hare, W1RFI

Date: Tue, 12 Sep 2000 14:07:21 -0700
From: "Jim Johnson" <km7h@kvi.fanz.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [79342] Re: WTB: HW-8 Manual
Message-ID: <000301c01cfd\$7800dd00\$83f01440@lynprint>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all the help. I found out that the HW-8 Manual is available from Kanga and QRP-ARCI toy store.

And I've had a couple of offers for photocopies of the manual.

Thanks to all.

72 KM7H

1stUp.com - Free the Web
Get your free Internet access at <http://www.1stUp.com>

Date: Tue, 12 Sep 2000 14:19:11 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "Andreas Junge" <andreas@OpenGrid.Com>
Cc: <qrp-l@lehigh.edu>
Subject: [79343] Re: QRP Best Starter Kit??
Message-ID: <01c01cfff\$184531c0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Andreas, it is a good rig, but very old in technology, and again pricey. The kit is \$120, which is twice what you can buy and build the SW40+ for. Again, price is the difference. I used the SST from Wilderness as an example because it is cheaper and a simpler kit, but it still does not compete with the SW40+. Remember I am recommending a "First kit". But again, beauty is in the eye of the beholder. 72, Doug

-----Original Message-----

From: Andreas Junge <andreas@OpenGrid.Com>
To: ki6ds@dpol.k12.ca.us <ki6ds@dpol.k12.ca.us>; Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, September 12, 2000 1:26 PM

Subject: RE: QRP Best Starter Kit??

>Does nobody like the Wilderness NorCal 40a anymore ?
>
> Good receiver
> VFO with 60Khz anywhere in the band
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> Case with cool latches
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> Good support from Bob, KD6VIO
>
>It's a little bit pricey, but I have two !
>
>Just wondering...
>
>Andreas, N6NU
>Menlo Park, CA (CM87VK)

Date: Tue, 12 Sep 2000 17:37:35 -0400
From: John Meade <john.meade@smc.com>
To: qrp-1@Lehigh.EDU
Subject: [79344] RE: QRP Best Starter Kit??
Message-ID: <39BEA21F.16EA54D5@smc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The ARRL publication "QRP Power" has 2 articles on the SWL rig - the original NE4040 article from QST and another article on receive current-saving and other mods. I made the mod to get the headphones wired in series and get more audio (not that I needed it, though).

Date: Tue, 12 Sep 2000 14:35:01 -0700
From: Dan <tacquire@earthlink.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79345] Re: QRP Best Starter Kit??
Message-ID: <39BEA185.30981D4E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Personally I have to say as a consumer I'm going to be more attracted to ones that look professionally built, outside and in. Now I won't say which ones do or don't because I applaud anyone that can get a design together and package a kit on a large or even small scale. On the upper end of things I'd really love to build an elecraft and possibly that sx-20 SSB/CW transceiver from Ramsey, but am in between jobs currently hihi

Dan

"Hendricks, Doug" wrote:

```
> Andreas, it is a good rig, but very old in technology, and again pricey.
> The kit is $120, which is twice what you can buy and build the SW40+ for.
> Again, price is the difference. I used the SST from Wilderness as an
> example because it is cheaper and a simpler kit, but it still does not
> compete with the SW40+. Remember I am recommending a "First kit". But
> again, beauty is in the eye of the beholder. 72, Doug
> -----Original Message-----
> From: Andreas Junge <andreas@OpenGrid.Com>
> To: ki6ds@dpol.k12.ca.us <ki6ds@dpol.k12.ca.us>; Low Power Amateur Radio
> Discussion <qrp-l@Lehigh.EDU>
> Date: Tuesday, September 12, 2000 1:26 PM
> Subject: RE: QRP Best Starter Kit??
>
> >Does nobody like the Wilderness NorCal 40a anymore ?
> >
> > Good receiver
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> >
> >It's a little bit pricey, but I have two !
> >
> >Just wondering...
> >
> >Andreas, N6NU
> >Menlo Park, CA (CM87VK)
```

Date: Tue, 12 Sep 2000 17:41:27 -0400
From: semann@tcia.net (Steven Mann)

To: Vic.Winton@trafford-press.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79346] Re: British Joystick Antenna ?
Message-ID: <39BEA306.42DD1CA4@tcia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I still have the basic Joystick that I bought when I was young and wet behind the ears.

It consists of three pieces of gold colored anodized aluminum tubing that screw together to make a pole just under 7-1/2 feet long. The outer diameter of the tube is about 7/8 inch. There are rubber caps on each end to keep rain, etc. out. At one end there is a piece of small cable that goes through the end cap and is riveted to the tube. You can see the rivet if you slide the cap down. The cable is coaxial but both the center and shield are connected to the rivet so they function as a single wire feed.

The center section is not a solid aluminum. It is divided into two parts by an insulator that is a little smaller than the diameter of the tube. A coil of enameled copper wire is close wound over the insulator and connects the two pieces of tubing. The coil is over 12 inches long. A rubber sleeve covers the coil completely. This made it a center loaded whip of large diameter.

The arrangement is non self resonant in the HF range.

The other end of the feed wire went to a Pi section tuner which was used to tune the feedline and Joystick to resonance anywhere from 3.5 to 28 MHz. Basically it was an almost end loaded end fed wire.

I used it with an Argonaut 505 back in the early 1970s. One night while tuning up the antenna on 15 meters, I had Joystick inside the shack leaning against the window frame. I heard an arcing sound! Where the antenna was leaning against the curtain rod with the coil section against the curtain rod, there was a burnt spot in the rubber insulation! The 2 watts RF from the Argonaut had burnt through the insulation! So the antenna does radiate RF.

As an emergency antenna that can be set up anywhere, it does a decent job but I'd take an outside dipole anyday!

Steve, N4EY

Date: Tue, 12 Sep 2000 15:49:45 -0600 (CST)
From: Bruce Rattray <ratttray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [79347] FOX - Winter Hunt Teams + QRP-L#s
Message-ID: <Pine.LNX.3.95.1000912154736.16374A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....here the latest in the Team lineup...I need more QRP-L numbers
please...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

The Raiders of the Lost RF -
Mary - NA6E
Fred - VE3FAL
Rob - VE6JAZ
Earl - VA6RF
Bruce- VE5RC

The Big Dawgs -
N1FN - ET
N5TW - Tom
WJ1R - Larry
NW7DX- Ben
N6WG - Bob

The ScQRPions -
Floyd - NQ7X
Brian - K7RE
Conard- WS4S
Chuck - K7QO
Bob - NK7M

The Flying Pigs #1 -
Diz - W8DIZ
Rick - WB6JBM
Dan - N8IE
Brian- KB9BVN
Dave - KB5MHS - #2176

The Cheeseheads -
Brian - AE9K
Jerry - N9AW
Rick - NK9G
Lou - W9XU
Jim - WA9TZE

The Houston Hounds -
Bill - K5ZTY
Bill - W5SB
Terry- KQ5U
Dan - KK5LD
Danny- WA50JE

The New England Hunt Club -
Aron - N10DL - #1326
John - K1JD - #1945
Jim - KC1FB - #29
Joel - K1QM - #337
John - KB1ENS - #2150

The Swamp Rats -
Paul - AJ4Y
Mac - AF4PS
Pete - NV4V
Fred - W2XN
Tom - N1TP - #1317

Date: Tue, 12 Sep 2000 22:49:34 +0100
From: "M0CQG" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79348] Re: British Joystick Antenna ?
Message-ID: <018601c01d04\$25c33a40\$c811bc3e@UKsolsf56>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> It was basically a loaded dipole with the elements being made of light
> aluminium tube.

Hi Vic & all

My father, G4MJA, owned a "Joystick VFA" marketed by, as you correctly point out, G3VFA (a Mr Partridge). However, rather than being a loaded dipole, it was actually a centre-loaded monopole, with a single wire feeder and came optionally with a "Joymatch" ATU which I believe was a standard LC design. The reason it came in for so much criticism was that most people reckon the single wire feeder did most of the radiating, just as you might expect. My dad swears this wasn't the case, but I can't see how it could do anything but...

On a similar note, I recently built a vertical antenna along the same lines. It's made from two 5' aluminium poles with a PVC-tubing center-piece wrapped with 12 or 13 turns of wire. With the single wire feeder from my SG-230 auto-coupler, the antenna appears to be resonant at around 8.8MHz. Using the SG-230, it tunes up quite happily on all bands from 160m - 10m, and I've already had very pleasing results on 80, 40, 20, 17, 15 and 12m. Of course, it's never going to outperform a resonant monoband vertical, but as a compact, low-profile antenna it's great!

73

Mike
M0CQG

Date: Tue, 12 Sep 2000 17:58:42 -0400
From: "Ed Nelson" <edxnelson@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79349] Building the NC-20
Message-ID: <027601c01d04\$9e6d1ec0\$2c490b18@prntn1.nj.home.com>

I've been working on the NC-20 for a week or so now and today I finished winding and installing the receiver teroids (Sp.). I fired her up and she plays great (after I remembered to plug in the ear phones; sure was quiet at first). Now I have to make a decision; do I do the AG mod now or finish the rig like it was originally, and do the ag mod later? I know it makes more sense to do it now, but I understand that it complicates adjusting the offset of the transmitter. I would also kind of like to see how the AG preformed before the mod, so I can develop an understanding and appreciation of the AG circuit. I'm also wondering what other mods are worth doing. Opinions would be appreciated.
Tnx....Ed W4EN

Date: Tue, 12 Sep 2000 14:03:05 AKDT
From: "Jim Larsen" <al7fs@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [79350] Attention Madison and Milwaukee WI area QRPers de AL7FS
Message-ID: <F253nt0bu5wvQaTiVn90000aeb0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Several of us QRP types are going to have breakfast together Sunday morning.
At least two are driving in from the Madison area.

See below for details and I hope you can make it.

73, Jim, AL7FS/9

>From: San Rotter <rotter@ieee.org>
>To: <list deleted>
>Subject: AL7FS Sunday 9:00AM PINE CONE RESTAURANT Johnson Creek, WI 53038
>Date: Tue, 12 Sep 2000 10:14:59 -0500
>

>I hope we can get a big QRP crowd at Pine Cone in Johnson Creek this Sunday
>9:00AM:

>

>This Sunday September 17, 2000 9:00AM breakfast with AL7FS @

>

>PINE CONE RESTAURANT

>Highway 26 & I 94

>Johnson Creek, WI 53038

>920 699 2767

>

>Next to the:

>

>PINE CONE TRAVEL PLAZA

>Highway 26 & I 94

>Johnson Creek, WI 53038

>920 699 2766

>

>If I have missed anyone please pass on the message.

>

>72,

>

>San

>K9YT

>1-608-278-0377

>146.685 BARS repeater

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Tue, 12 Sep 2000 15:18:08 -0700 (PDT)

From: wa4dou@excite.com

To: qrp-l@lehigh.edu

Subject: [79351] Re: British Joystick Antenna ?

Message-ID: <26551470.968797088137.JavaMail.imal@chilly.excite.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang,

The claim for the "joystick" was that it equaled a 3 element yagi in
practice if not theory. Claims come and go, and so do products. This was
just one of many. 73 Roy WA4DOU

Say Bye to Slow Internet!
<http://www.home.com/xinbox/signup.html>

Date: Tue, 12 Sep 2000 15:21:45 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: w1rfi@arrl.org
Cc: qrp-1@lehigh.edu
Subject: [79352] Re: QRP at the ARRL Company Picnic
Message-ID: <200009122215.PAA06835@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:56 PM 9/12/2000 -0400, you wrote:
>Thought you might like to see a bit of QRP at the ARRL company picnic. Hope
>this doesn't crack too many monitors!
>
> ><http://www.arrl.org/~ehare/temp/W1RFI-Picnic.jpg>
>

Great picture, Ed. Like the T-shirt, too :^)

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Tue, 12 Sep 2000 18:35:33 -0400
From: Rick McNelly <rmcnelly@home.com>
To: <km7h@kvi.fanz.net>
Cc: <qrp-1@lehigh.edu>
Subject: [79353] Re: WTB: HW-8 Manual
Message-ID: <B5E427F5.A16A%rmcnelly@home.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Jim Johnson wrote:

> Would like to purchase manual for HW-8 - either original or reprint. Would
> also be interested in Hotwater Handbook.
>
> Jim, KM7H

Me too, me too!

I just picked up a very mint HW-8 w/pwr supply and need both a manual and
the HotWater Handbook.

72/73,

--Rick, KE4IZH
IIIc
Chesapeake, Va

End of QRP-L Digest 1942

